STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING FORM 3 AMENDED REPORT														
		APPL	ICATION FOR F	PERMIT TO DRIL	L			1.	1. WELL NAME and NUMBER Cuch 10-17-2-1E					
2. TYPE OF		RILL NEW WELL 📵	REENTER P&A	WELL DEE	PEN WELL (<u> </u>		3.	. FIELD	OR WILDCAT	BLUEBELL			
4. TYPE OF		Oil W	:	d Methane Well: NC				5.	5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF	OPERATOR		GASCO PRODUCTI					7.	7. OPERATOR PHONE 303 996-1805					
8. ADDRESS	OF OPERATOR			1150, Denver, CO	, 80237			9.	. OPERA	TOR E-MAIL	g@gascoenergy			
10. MINERA (FEDERAL,) STATE (FEE (iii		2. SURF	ACE OWNERS	- CO	ATE (T)	FEE ()						
Fee FEDERAL INDIAN STATE FE 13. NAME OF SURFACE OWNER (if box 12 = 'fee') Jasanna Cuch										ACE OWNER	PHONE (if box 435-724-1026	12 = 'fee'		
15. ADDRE	SS OF SURFACE	OWNER (if box 12						16	6. SURF		E-MAIL (if bo)		')	
	ALLOTTEE OR T	RIBE NAME		18. INTEND TO CC MULTIPLE FORMA		PRODUCTION	N FROM	19	9. SLAN	Т				
(if box 12 =	· 'INDIAN')			-		gling Applicati	ion) NO 值)	VERTIC	AL 📵 DIRE	ECTIONAL 🔵	HORIZO	NTAL 🔵	
20. LOCAT	ION OF WELL		FOO	FOOTAGES QTR-QTR SECTION			N	TOV	WNSHIP	RANGE		MERIDIAN		
LOCATION	AT SURFACE	ACE 1768 FSL 1636 FEL NWSE 17					2	2.0 S	1.0 E		U			
Top of Up	permost Produci	ng Zone	1768 FS	1768 FSL 1636 FEL			17		2	2.0 S	1.0 E		U	
At Total D				L 1636 FEL		NWSE	17		2.0 S 1.0 E			U		
21. COUNT		INTAH		22. DISTANCE TO I	16	636	·	23	3. NUMB	BER OF ACRES	640	UNIT		
				25. DISTANCE TO I (Applied For Drilli	ng or Com		POOL	26	6. PROP	OSED DEPTH MD: 1	12700 TVD:	12700		
27. ELEVA	TON - GROUND L	EVEL 5266		28. BOND NUMBER	ER 29. SOURCE OF DRILLING WATER WATER RIGHTS APPROVAL NUMBER 43-3610			VAL NUMBER	F APPLIC	ABLE				
Otalia a	Hala Ciaa	Onniu u Oinn	Lameth			Cement Info			V4	0	Castra	Viald	NA/ a l m la 4	
String	Hole Size	Casing Size	0 - 80	Weight 48.0		e & Thread 40 ST&C	IVIAX	10.0	vt.	Class G	Sacks 137	Yield 1.17	Weight 15.8	
Surf	12.25	9.625	0 - 1500			-55 LT&C		10.0		Class G	654	1.15	15.8	
										Class G	335	1.17	15.8	
Prod	8.5	5.5	0 - 1270	0 17.0	P-	110 LT&C	_	10.0	-	Poz Light		3.1	11.0	
					ATTACH	HMENTS								
	VERIEV	THE FOLLOWIN	NG APE ATTAC	HED IN ACCOR	ANCE WI	TH THE UT	AH OIL AND	GAS C	ONSE	OVATION GE	NEDAL DIII	FQ		
					AITOL WI					WATION GE	THERAE ROL			
WEI	LL PLAT OR MAP	PREPARED BY LICE	ENSED SURVEYOR	OR ENGINEER			IPLETE DRILL	ING PLA	N .					
AFF	DAVIT OF STATU	S OF SURFACE OW	NER AGREEMENT	(IF FEE SURFACE)	FORM	M 5. IF OPERA	TOR IS	OTHER 1	THAN THE LEA	ASE OWNER			
DIRE	ECTIONAL SURVE	Y PLAN (IF DIREC	FIONALLY OR HO	RIZONTALLY DRIL	LED)	торо	OGRAPHICAL	MAP						
NAME Jessica Berg TITLE Regulatory Analyst								PHONI	E 303 9	96-1805				
SIGNATURE DATE 12/11/2014								EMAIL	jberg@	gascoenergy.c	com			
1	er assigned 4755116000	00		APPROVAL				Bol	00.0	ILL				
								Perm	it Mar	nager				

Gasco Production Company Cuch 10-17-2-1E NWSE, Section 17 T2S, R1E, U.S.B.&M. Uintah County, UT

Drilling Program

1.	Formation Tops	MD
----	----------------	----

Duchesne River / Uinta Surface
Upper Green River 5,450'
MGMK Marker 8,490'
Lower Green River 8,566'
Wasatch 9,688'
Total Depth 12,700'

2. Depth to Oil, Gas, Water, or Minerals

 Upper Green River
 5,450' - (Oil)

 Lower Green River
 8,566' - (Oil)

 Wasatch
 9,688' - (Oil)

Fresh water may be encountered in the Duchesne Formation, but is not expected below about 300'.

3. Pressure Control

Section BOP Description
Surface 12-1/4" diverter

Interm/Prod The BOP and related equipment shall meet the minimum requirements of

Onshore Oil and Gas Order No. 2 for equipment and testing requirements,

procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at

least 5,000 psi will be used.

4. Casing

Description	Interval (MD)		Weight	Grade	Coup	Pore Press @	MW @	Frac Grad @	Safety Factors			
Description	Тор	Bottom	(ppf)	Grade	Coup	Shoe	Shoe	Shoe	Burst	Collapse	Tension	
Conductor	0'	80'	40	11.40	STC				1,730	770	322,000	
16	U	80	48	H-40	SIC							
Surface	O!	0'	1 500'	36	J-55	LTC	8.33	8.6	11	3,520	2,020	453,000
9 5/8	U	1,500'	36	1-55	LIC	0.33	8.6	11	4.61	4.05	8.39	
Production	01	0' 12,700'	17	P-110	LTC	9	10	11	10,640	7,480	445,000	
5 1/2	U					9		11	2.28	1.40	2.06	

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Intermediate casing MASP = (reservoir pressure) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft³	ОН	Weight	Yield	
JOB	noie size	FIII	Siurry Description	sacks	excess	(ppg)	(ft³/sk)	
Conductor	24	80'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	161	15%	15.8	1.17	
Conductor	24	80	Flake	137	1370	15.8	1.17	
Surface	12 1/4	1,200'	Class G w/ 2% KCl + 0.25 lbs/sk Flocele	752	100%	15.8	1.15	
Lead	12 1/4	1,200	Class G w/ 2% KCI + 0.25 lbs/sk Flocele	654	100%	15.8	1.15	
Surface	12 1/4	300'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	392	100%	15.8	1.17	
Tail	12 1/4	300	Flake	335			1.17	
Production	8 1/2	3,500'	Econocem-1# granulite+.25# polyflake	1002	25%	11.0	2.10	
Lead	8 1/2	3,500	econocem-1# granunte+.25# polynake	323	25%	11.0	3.10	
Production	8 1/2	9,200'	Econocem95%bw HR-5+.125#	4532	25%	13.0	2.40	
Tail	0 1/2	9,200	polyflake	2158	23%	13.0	2.10	

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 25% excess.

6. Type and Characteristics of Proposed Circulating Medium

Surface - 1,500' An air and/or fresh water system will be utilized. 1,500' - TD A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 10.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from

PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.47 psi/ft gradient.

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

This is planned as a vertical well.

Based on prior drilling experience in the area, Gasco Production Company is confident that the 5 1/2", 17.0# production is more than sufficient to avoid any possible mechanical integrity problems relating to collapse or burst conditions.

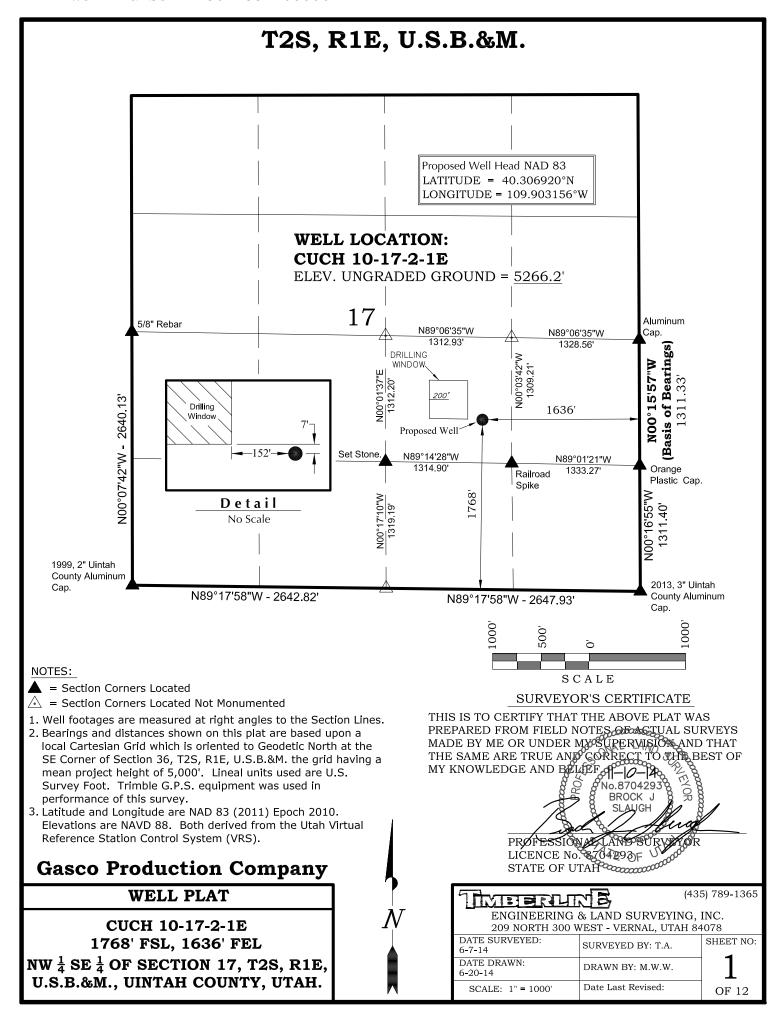
Variance Request for FIT Requirements:

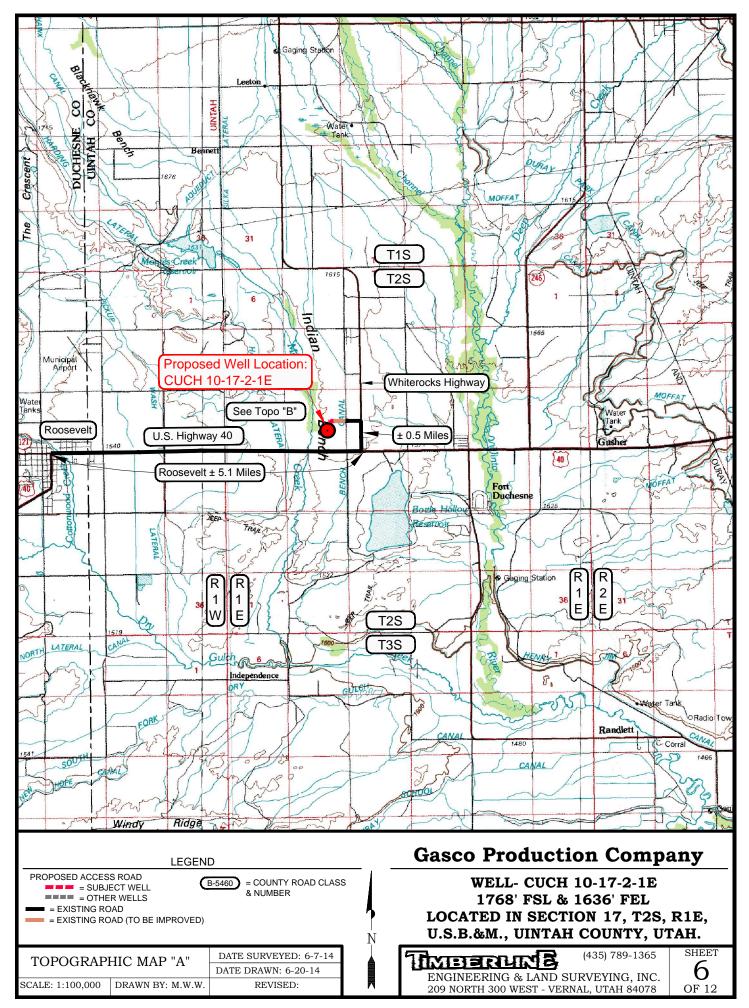
Gasco Production Company respectfully requests a variance to Onshore Order 2, Section III, Part B, for the Pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

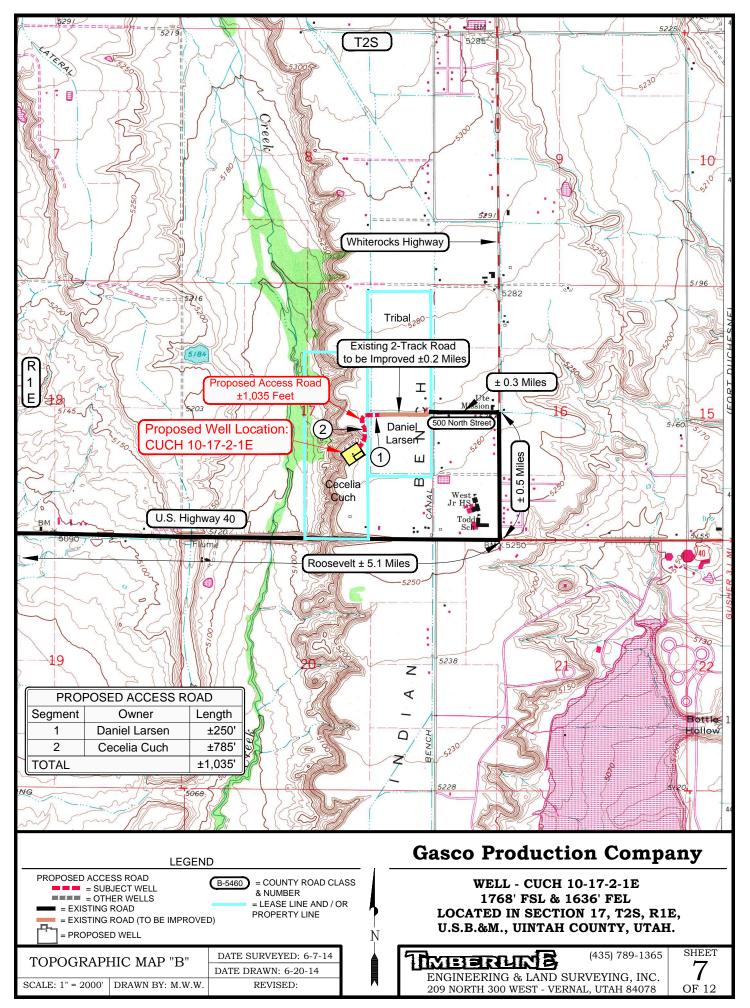
Variance Request for Air Drilling Requirements:

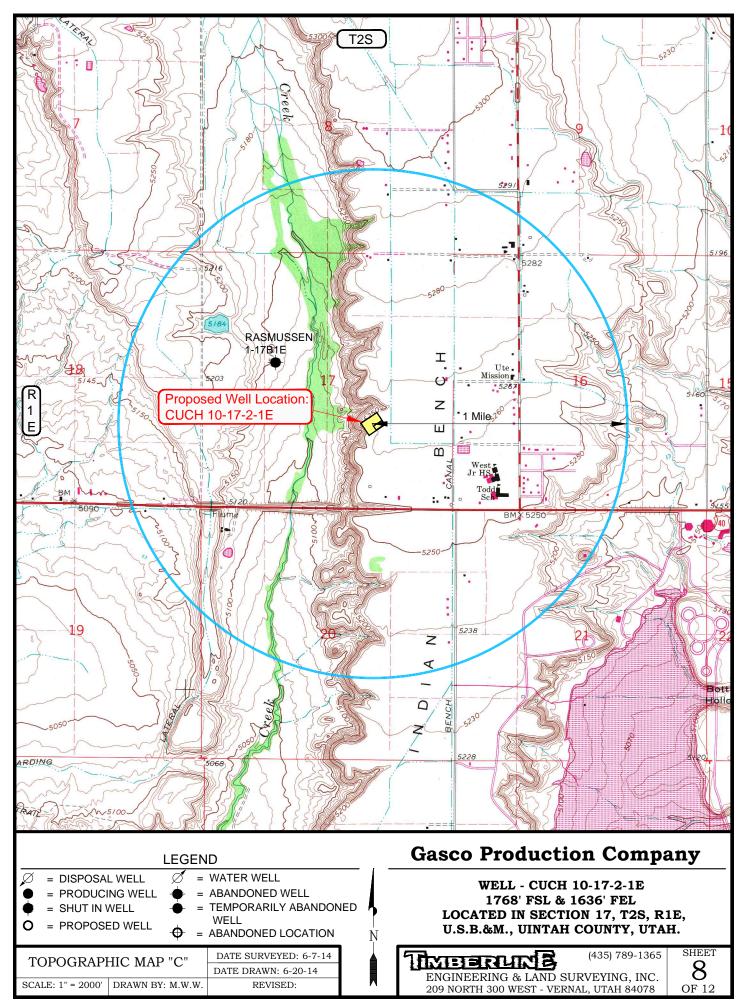
Gasco Production Company respectfully requests a variance to Onshore Order #2, III.E.1

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore. Variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the wellbore. Variance granted for truck/trailer mounted air compressors.
- · Straight run blooie line. Variance granted for targeted "T's" at bends.
- · Automatic igniter. Variance granted for igniter due to water mist.
- Air drilling operations will be conducted only during drilling of the surface casing hole, there is no history of hydrocarbons being encountered in this hole section in the area where these wells are to be drilled.









AFFIDAVIT OF STATUS OF SURFACE USE AGREEMENT

Brandon Casey, being first duly sworn on this oath, states that he is familiar with the following described property, to wit:

Badlands Energy - Utah, LLC recently acquired an interest in leases held by RIG II, LLC.

RIG II, LLC has an executed Surface Use Agreement and Grant of Easements with Jasanna Cuch, dated the 7th day of July 2014 covering Township 2 South, Range 1 East, U.S.M. Section 17: NWSE, Uintah County, Utah.

Gasco Production Company is the designated operator for Badlands Energy - Utah, LLC.

And that he is familiar with the existence of such unrecorded document.

Affiant

Brandon Casey

STATE OF <u>Colorado</u>) ss COUNTY OF <u>Denver</u>)

Witness my hand and official seal.

My commission expires: 1/17/18

Notary Public

JOSHUA RYAN CRIST
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20144002561
MY COMMISSION EXPIRES JANUARY 17, 2018

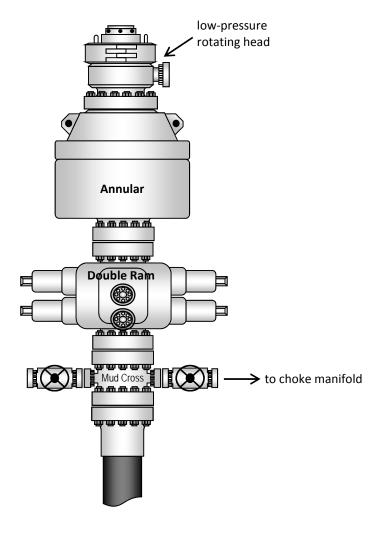
STATE OF UTAH

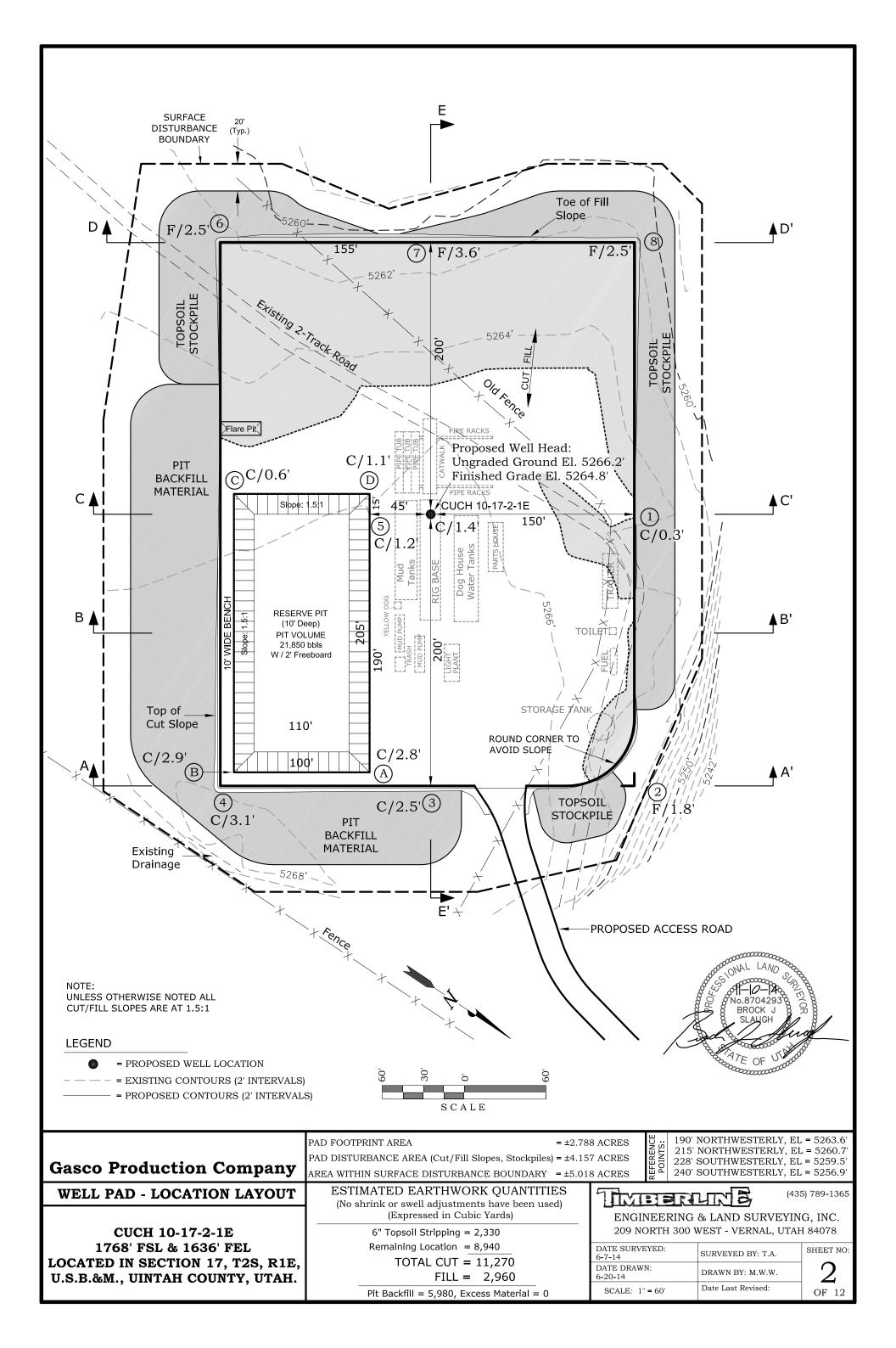
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

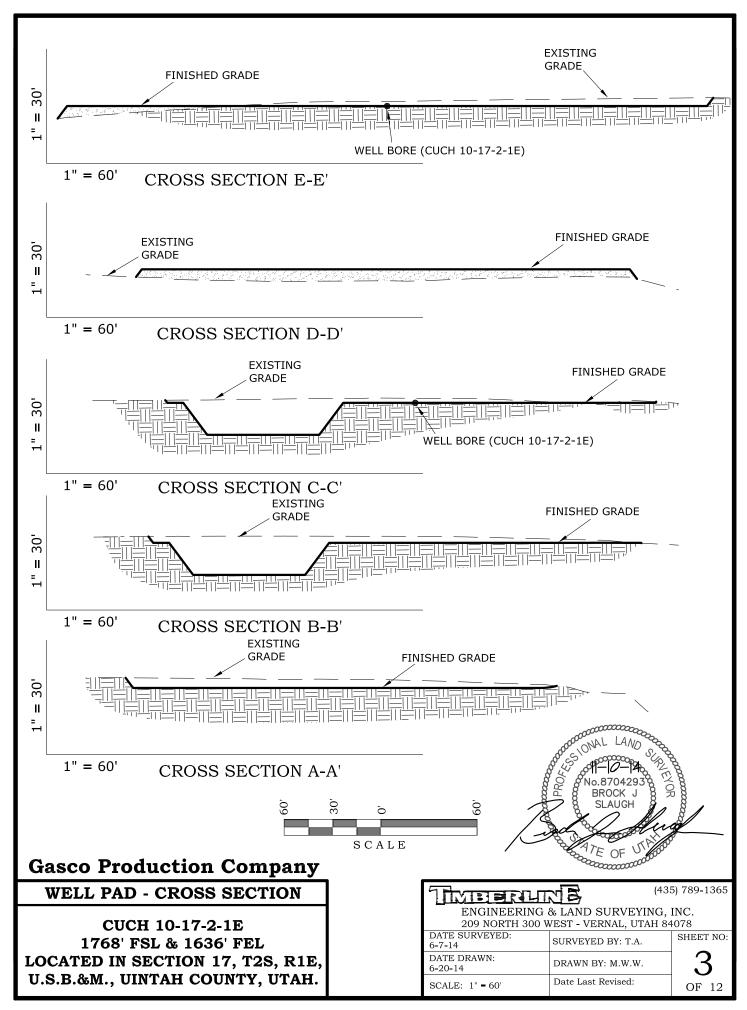
F	O	R	N	1	5

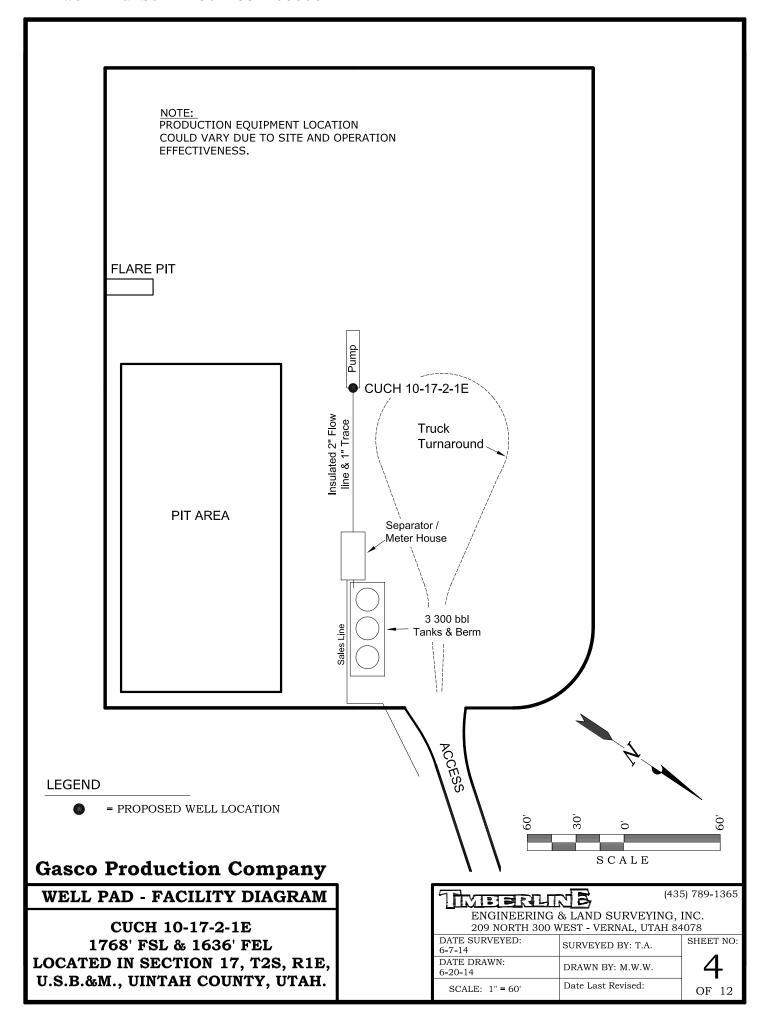
			DESIGNATIO	ON OF A	GENT	OR OP	ERATOR				
The	undersigne	ed is, on i	record, the holder of oil and	gas lease							
L	EASE NAM	1E:	Fee			_					
L	EASE NUN	MBER:	Fee								
and l	hereby des	ignates									
N	AME:		Gasco Production Compan	у							
A	DDRESS:		7979 E Tufts Ave, Suite 11	50							
			<u>city</u> Denver			state C	0	zip 802	237		
regu secu	lations app	licable thance wit	nt □ / operator ☑, with full a nereto and on whom the Div h the Oil and Gas Conservati respect to:	ision Direc	ctor or	Authorized	Agent may	serve w	ritten or o	ral instruc	tions in
	Propose NESW	ed Well: of Section ed Well: of Section ed Well:	which this designation is applicable Cuch 10-17-2-1E n 17-T2S-R1E Tryon 10-19-2-1E n 19-T2S-R1E Babb 6-24-2-1E n 24-T2S-R1E	e. Identify ea	ach oil ar	nd gas well by	/ API number a	nd name.	Attach additi	ional pages a	IS
of the State	e lease and	the Oil	designation of agent/operate and Gas Conservation Gene understood that this designat	eral Rules	and Pi	rocedural F	Rules of the	Board of	f Oil, Gas	and Mining	g of the
			part of the designated agent/operd of Oil, Gas and Mining							vith all rules	s, lease
The	lessee agre	ees to pro	omptly notify the Division Dir	ector or A	uthoriz	ed Agent o	of any chang	je in this	designation	on.	
Effe	ctive Date	of Desig	nation: 11/01/2014	-							
BY:	(Name)	Richard	Langdon	- Comment	OF:	(Company)	Badlands E	Energy -	Utah, LLC	e e e e e e e e e e e e e e e e e e e	
	(Signature)	M.	WANDY -	_		(Address)	7979 E Tuf		Suite 1150		
	(Title)	messacross so roce	nt & CEO	=			city Denver	1	(A) to \$6000		
	(Phone)	(303) 48	33-0044	- ,			state CO		zip 8023	7	

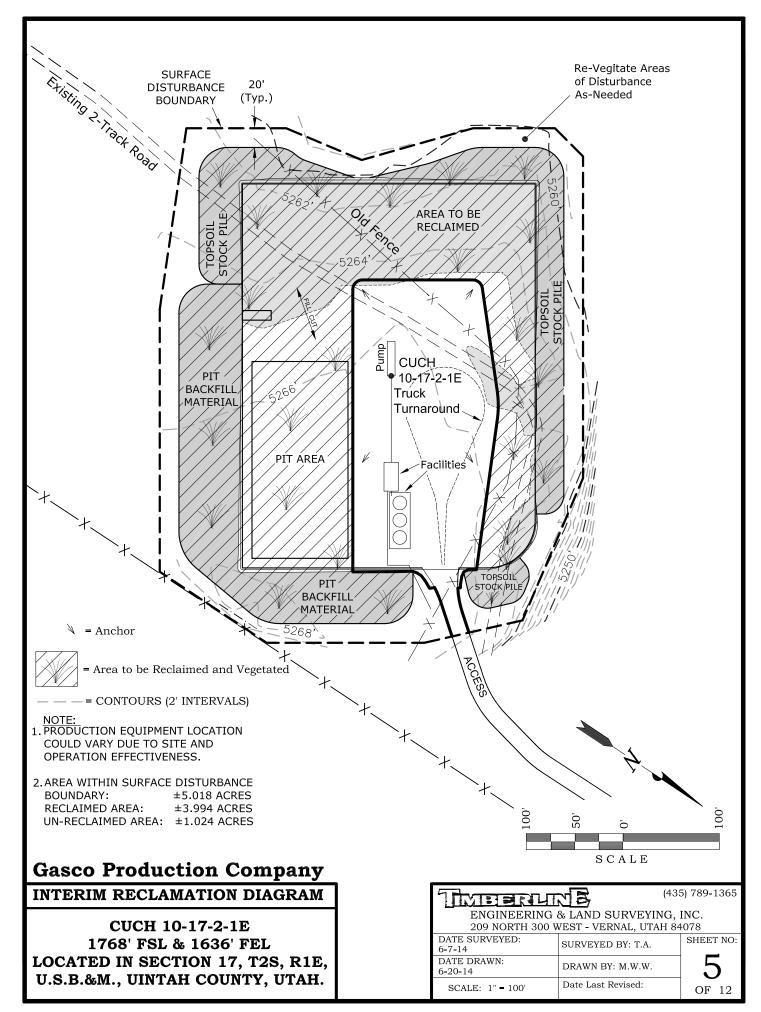
Typical 5M BOP stack configuration

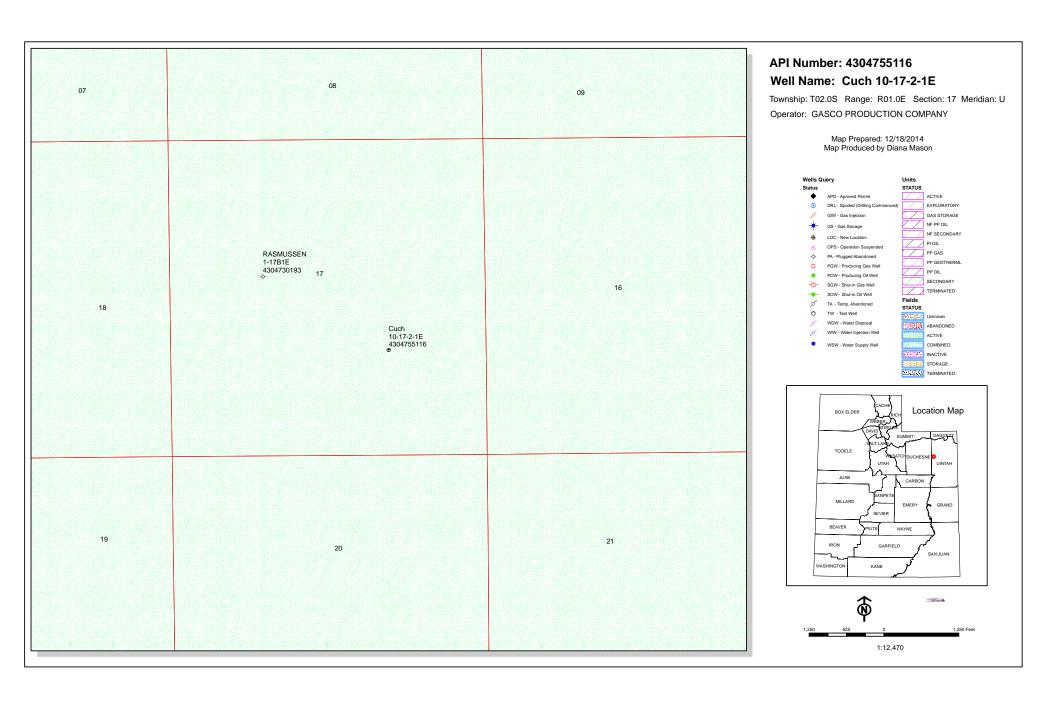






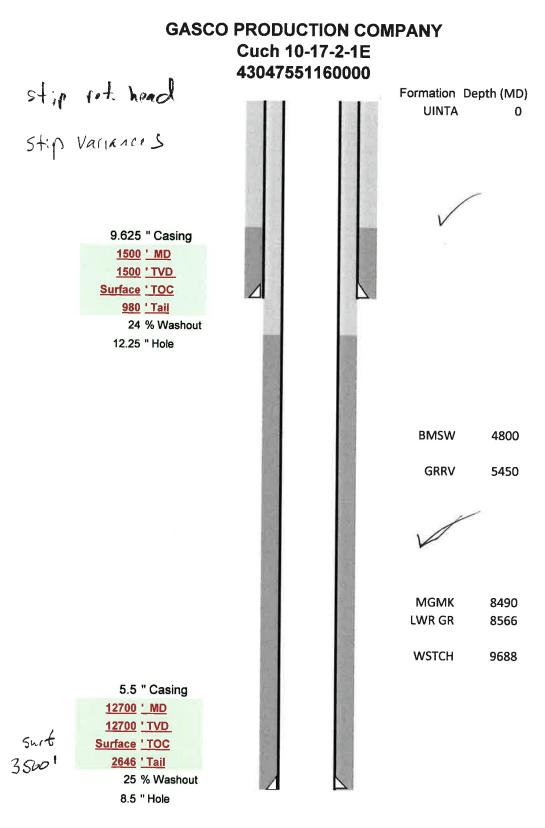






BOPE REVIEW GASCO PRODUCTION COMPANY Cuch 10-17-2-1E 43047551160000

Well Name		GASCO PRODU	CTION COMPANY	Y Cuch 10-17-2-1	1E 43	30475511600	00	
String		Cond	Surf	Prod	ill		7	
Casing Size(")		16.000	9.625	5.500	iΙ		1	
Setting Depth (TVD)		80	1500	12700	i			
Previous Shoe Setting Dept	h (TVD)	0	80	1500	i			
Max Mud Weight (ppg)		10.0	10.0	10.0	i			
BOPE Proposed (psi)		0	500	5000	iΙ]	
Casing Internal Yield (psi)		0	3520	10640	i II		7	
Operators Max Anticipated	Pressure (psi)	5944		9.0	i [<u> </u>	
Calculations		Cond Str	· ~			16.000	-	
Max BHP (psi)			52*Setting D	enth*MW=				
(psi)			52 Setting E	reptii WW =	42	2	BOPE Ade	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	P-(0.12*Setti	ing Depth)=	32	,	NO	1
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Setti		24		NO	
							1	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	oe Depth)=	24	1	NO	
Required Casing/BOPE Tes	st Pressure=				0		psi	
*Max Pressure Allowed @ Previous Casing Shoe=					0		psi *Ass	umes 1psi/ft frac gradient
Calculations May PUP (ngi)	Surf String					9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=				78	30	ROPE Ade	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=					00	NO I	diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.12 Setting Depth)=				45		YES	OK
······································			- (**== *****	8	145	50		Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	oe Depth)=	46	88	NO I	ОК
Required Casing/BOPE Tes	st Pressure=				15	500	psi	
*Max Pressure Allowed @	Previous Casing	Shoe=			0		psi *Ass	umes 1psi/ft frac gradient
					_			
Calculations May PUP (ngi)		Prod Stri	ing 052*Setting D	anth*MW-	H	5.500	"	
Max BHP (psi)		.0	52*Setting L	Deptii * M w =	66	504	ROPE Ade	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	P-(0.12*Setti	ing Depth)=	50	080	NO I	5M double RAM & annular
MASP (Gas/Mud) (psi)			P-(0.22*Setti		Ë	310	YES	OK
, , , , , , , , , , , , , , , , , , ,				0 1 /	130	310	1	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	oe Depth)=	41	40	NO	ОК
Required Casing/BOPE Tes	st Pressure=				50	000	psi	
*Max Pressure Allowed @	Previous Casing	Shoe=			15	500	psi *Ass	umes 1psi/ft frac gradient
Calculations String						,,		
Max BHP (psi)	String				H		<u> </u>	
(Poi)	.052*Setting Depth*MW=			-		BOPE Ade	quate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=				F	i	NO I	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=			Ë		NO I		
	,			<u> </u>		1	Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=						NO	
Required Casing/BOPE Tes	st Pressure=				F		psi	
*Max Pressure Allowed @	Previous Casing	Shoe=					psi *Ass	umes 1psi/ft frac gradient



no wow, wiw

GASCO PRODUCTION COMPANY Cuch 10-17-2-1E 43047551160000

	[ips)		1,	J		T	(sai			-	
	Tension	Buoyed (kips)	46.0	T T	י י י	1.17	Tension	Buoyed (kips)	183.2		Tail Yield	2.10
	Tension	Point (ft) Air (kips)	54.0	Cement		335	Tension	_	215.9	Cement	Tail (sx)	2158
	_	Point (ft)	1271	7000	1 15	1.15	Neutral		10758		Lead (sx) Lead Yield	3.10
1.8	Tension	占	9.85	Cement Lead (cv)	Very board	956	Tension	ద	2.43	Cement	Lead (sx)	323
		Strength (kips)	453	rello J SS) L	ון	Tension	Sŧī	445		CSG Collar	LTC
4	-	Burst DF	2.35	CSG	1	CC-L		Burst DF	1.61	SS	Grade	P-110
	<u>a</u>	(psi)	1500	CSG Wt	36.0	0.00	Burst Load	(bsi)	6597	CSG Wt	(lbs/ft)	17.0
	Burst Strength	(psi)	3520	Max Shoe Pressure (psi)*	4133	555	Burst Strength	(psi)	10640	Max Shoe	Pressure (psi)*	6597
1.125	: :	Collapse DF	2.59	Internal Mud (ppg)				Collapse DF	1.13	Internal	Mud (ppg)	
	Collapse	Load (psi)	779	Backup Mud (ppg)			Collapse	Load (psi)	6597	Backup	Mud (ppg)	
	Collapse	strengtn (psi)	2020	Internal Grad. (psi)	0.12			Strength (psi)	7480	Internal Grad.	(bsi)	0.22
	9	MASE	299	MW (ppg)	10.0			MASP	3803		MW (ppg)	10.0
			9.625 " Casing						5.5 " Casing			

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator GASCO PRODUCTION COMPANY

Well Name Cuch 10-17-2-1E

API Number 43047551160000 APD No 10876 Field/Unit BLUEBELL

Sec 17 Tw 2.0S Rng 1.0E 1768 FSL 1636 FEL Location: 1/4,1/4 NWSE

GPS Coord (UTM) 593204 4462402 Surface Owner Jasanna Cuch

Participants

Jesse Duncan, David Burnett, Jessica Berg and Maryna Fitzgerald all of GASCO Production.

Regional/Local Setting & Topography

This proposed well site lies approximatley 5 miles east of Roosevelt, Ut and under 1/2 mile north of Highway 40. The well sits on the west edge of a large flat bench which runs north and south. The bench cuts in on the north side of this location where there is a live spring and drainage to the west. The bench then continues for a long distance to the north, east and south. To the west and near the edge of location the bench drops steeply. Along Highway 40 in this area are numerous homes, a bar and an elementary school within 1 mile.

Surface Use Plan

Current Surface Use

Recreational Grazing Wildlfe Habitat

New Road Well Pad **Src Const Material Surface Formation** Miles

0.2 Width 305 Length 400 Offsite **UNTA**

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Sage, rabbit brush, cheat grass

Soil Type and Characteristics

Cobbly sandy loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y

minor diversions may be needed

Berm Required? Y

Drops off steeply to west side of location and to north of location land slopes steeply to a

Erosion Sedimentation Control Required? Y

Location must be bermed to protect nearby spring, but site appears stable

Paleo Survey Run? N Paleo Potental Observed? N Cultural Cultural Survey Run? N Resources? N

Reserve Pit

Site-Specific Factors	Site Ran		
Distance to Groundwater (feet)	25 to 75	15	
Distance to Surface Water (feet)	200 to 300	10	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	High permeability	20	
Fluid Type	TDS>10000	15	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	60	1 Sensitivity Level

Characteristics / Requirements

A reserve pit is proposed in a cut stable location. The soil here is very permeable with cobble and gravel, there is a nearby spring and the land drops off steeply to the west and fairly steeply toward the spring to the north. A double 20 mil liner and felt subliner must be used.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 20 Pit Underlayment Required? Y

Other Observations / Comments

Evaluator	Date / Time
Richard Powell	1/28/2015

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner CBM	
10876	43047551160000	LOCKED	OW	P No	
Operator	GASCO PRODUCTION COM	PANY	Surface Owner-APD	Jasanna Cuch	
Well Name	Cuch 10-17-2-1E		Unit		
Field	BLUEBELL		Type of Work	DRILL	
Location	NWSE 17 2S 1E U	1768 FSL	1636 FEL GPS Coord		
	(UTM) 593205E 446239	4N			

Geologic Statement of Basis

Gasco proposes to set 80 feet of conductor and 1,500 feet of surface casing which will be cemented to surface. The surface hole will be drilled utilizing air/fresh water mud. The estimated depth to the base of moderately saline ground water is 4,800 feet. A search of Division of Water Rights records indicates that there are 20 water wells within a 10,000 foot radius of the center of Section 17. These wells probably produce water from the Duchesne River Formation and associated alluvium. The wells range from 28 to 500 feet deep. Water uses are listed as irrigation, stock watering and domestic. The proposed casing and cementing program should adequately protect the highly used Duchesne River aquifer. The cement for the production string of casing should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill **APD Evaluator**

2/10/2015 **Date / Time**

Surface Statement of Basis

This proposed well site is on fee surface with fee minerals. Surface owner Jasanna Cuch was in attendance for this onsite inspection. Ms. Cuch stated several concerns with drilling at this site. She does not want the well to be drilled as it is not far behind her home and this land is very sentimental to her. Ms. Cuch is concerned about traffic safety and feels that having trucks entering and exiting the Highway in this area is not safe. Also, about 300 feet norh of the location there is a spring which Ms. Cuch is very worried may become contaminated by this well. When GASCO representative Jesse Duncan was asked about these issues he stated that GASCO had gone through the Utah Department of Transportation and the Highway 40 access point was selected and approved by the DOT. Also, Mr. Duncan agreed to run a full chemistry baseline analysis of the spring water and agreed to do routine testing of the spring during the life of the well.

The land drops off steeply to the west side of the location and slopes steeply to the spring to the north and for these reason a substantial berm must be built around this location to keep any leaked or spilled fluids from exiting the location. The soil here is quite permeable and contains a good deal of cobble and gravel and a double 20 mil liner and felt subliner will be required. I asked for a phone call to Richard Powell giving a 24 hour notification of surface pipe cement. Mr. Duncan agreed to make sure I am notified by phone.

Richard Powell
Onsite Evaluator

1/28/2015 **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A double synthetic liner each with a minimum thickness of 20 mils and an appropriate thickness of felt sub-liner to cushion the liners shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad. This must be a durable berm with adequate compaction to provide containment.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/11/2014 **API NO. ASSIGNED:** 43047551160000

WELL NAME: Cuch 10-17-2-1E

OPERATOR: GASCO PRODUCTION COMPANY (N2575) PHONE NUMBER: 303 996-1805

CONTACT: Jessica Berg

PROPOSED LOCATION: NWSE 17 020S 010E Permit Tech Review:

SURFACE: 1768 FSL 1636 FEL Engineering Review:

BOTTOM: 1768 FSL 1636 FEL Geology Review:

COUNTY: UINTAH

LATITUDE: 40.30687 LONGITUDE: -109.90317

UTM SURF EASTINGS: 593205.00 **NORTHINGS**: 4462394.00

FIELD NAME: BLUEBELL LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

✓ PLAT

— R649-2-3.

✓ Bond: STATE/FEE - K08792707

Unit:

— Potash

— Oil Shale 190-5

— Oil Shale 190-3

— Oil Shale 190-13

✓ Drilling Unit

Water Permit: 43-3610

Board Cause No: Cause 139-42

RDCC Review: Effective Date: 4/12/1985

Fee Surface Agreement Siting: 660' Fr Ext Bdry & 1320' Fr Other Wells

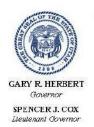
Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill

27 - Other - daynedoucet 28 - Other2 - daynedoucet



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Cuch 10-17-2-1E API Well Number: 43047551160000

Lease Number: Fee

Surface Owner: FEE (PRIVATE) **Approval Date:** 3/30/2015

Issued to:

GASCO PRODUCTION COMPANY, 7979 East Tufts Avenue, Suite 1150, Denver, CO 80237

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-42. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Use of a properly lubricated rotating head is required while air drilling.

Health and safety requirements for drilling operations are covered under Utah rule R614-2. R614-2-20 covers safety procedures for air and gas drilling. Any variances to these rules (including requirements for blooie lines and air compressors) must be granted by the Utah Labor Commission (see R614-2-1.E).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Annuared Dr.

Approved by:

For John Rogers Associate Director, Oil & Gas

	STATE OF UTAL		FORM 9				
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURC		5.LEASE DESIGNATION AND SERIAL NUMBER:				
	DIVISION OF OIL, GAS, AND MIN	ING	Fee				
	RY NOTICES AND REPORTS (6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
current bottom-hole depth,	Do not use this form for proposals to drill new wells, significantly deepen existing wells below surrent bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.						
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Cuch 10-17-2-1E				
2. NAME OF OPERATOR: GASCO PRODUCTION COM	PANY		9. API NUMBER: 43047551160000				
3. ADDRESS OF OPERATOR: 7979 East Tufts Avenue, S	9. FIELD and POOL or WILDCAT: BLUEBELL						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1768 FSL 1636 FEL	COUNTY: UINTAH						
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 17 Township: 02.0S Range: 01.0E Merid	ian: U	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION						
7	ACIDIZE	ALTER CASING	CASING REPAIR				
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
6/12/2105	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION				
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
Report Date:		J OTHER	OTHER: Change to Confidential				
	WILDCAT WELL DETERMINATION	▼ OTHER	· · · · · · · · · · · · · · · · · · ·				
l .	COMPLETED OPERATIONS. Clearly show a Company requests to drill th		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 15, 2015				
NAME (PLEASE PRINT) Jessica Berg	PHONE NUMB 303 996-1805	ER TITLE Regulatory Analyst					
SIGNATURE N/A		DATE 6/12/2015					

	STATE OF UTAH			FOF	RM 9
ı	DEPARTMENT OF NATURAL RESOUL DIVISION OF OIL, GAS, AND M		i	5.LEASE DESIGNATION AND SERIAL NUMBER Fee	3ER:
SUNDR	Y NOTICES AND REPORTS	S ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	:
Do not use this form for procurrent bottom-hole depth, IFOR PERMIT TO DRILL form	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.	ly deep zontal l	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:	_
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: Cuch 10-17-2-1E	
2. NAME OF OPERATOR: BADLANDS ENERGY-UTAH,	LLC			9. API NUMBER: 43047551160000	
3. ADDRESS OF OPERATOR: 7979 E Tufts Ave, Suite 11:	50 , Denver, CO, 80237		NE NUMBER: 3 996-1813 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1768 FSL 1636 FEL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWSE Section:	IIP, RANGE, MERIDIAN: I7 Township: 02.0S Range: 01.0E Me	eridian:	U	STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		LTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		HANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS		OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	RACTURE TREAT	☐ NEW CONSTRUCTION	
	OPERATOR CHANGE	□ р	LUG AND ABANDON	PLUG BACK	
✓ SPUD REPORT	PRODUCTION START OR RESUME	□ R	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud: 6/19/2015	REPERFORATE CURRENT FORMATION	□ s	IDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
0/19/2013	TUBING REPAIR		ENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF		I TA STATUS EXTENSION	APD EXTENSION	
Report Date.					
	WILDCAT WELL DETERMINATION		THER	OTHER:	
Badlands Energy-	Utah, LLC spud this well a	nd se	t conductor to 75'.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 24, 2015	•
NAME (PLEASE PRINT) Lindsey J. Cooke	PHONE NUM 303 996-1834	/IBER	TITLE Production Tech		
SIGNATURE N/A			DATE 6/23/2015		

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE		5.LEASE DESIGNATION AND SERIAL NUMBER:
	DIVISION OF OIL, GAS, AND MIN	NING	Fee
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro- current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Cuch 10-17-2-1E
2. NAME OF OPERATOR: GASCO PRODUCTION COM	PANY		9. API NUMBER: 43047551160000
3. ADDRESS OF OPERATOR: 7979 East Tufts Avenue, S	uite 1150 , Denver, CO, 80237	PHONE NUMBER: 303 996-1805 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1768 FSL 1636 FEL	COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 17 Township: 02.0S Range: 01.0E Merio	dian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
7/1/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	L PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	√ OTHER	OTHER: Directional Plan
12 DESCRIPE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	all partinant datails including datas	·
Gasco Production well. Gasco is app with the requesproducing zone and	Co requests a change from oblying for a change to direction sts of the surface owner, who had been to be the center of affidavit, plat map and direction controls.	vertical to a directional on all on a	Approved by the Utally Divi2016of Oil, Gas and Mining
NAME (PLEASE PRINT)	PHONE NUMB	ER TITLE	
Jessica Berg	303 996-1805	Regulatory Analyst	
SIGNATURE N/A		DATE 7/1/2015	

AFFIDAVIT

Brandon Casey, of lawful age, after having first duly sworn upon his oath, disposes and states:

That he is employed by Badlands Energy – Utah, L.L.C. ("Badlands") as a Landman. Badlands has submitted the Application for Permit to Drill to produce from the Green River and Wasatch formations in the following well:

Cuch 10-17-2-1E

NW/4SE/4 Section 17 T2S-R1E U.S.B. & M.

That in compliance with Utah OGM regulation R649-3-11, Badlands is the owner of oil and gas rights within a 460 foot radius along the intended well bore. It is further stated that the subject well location is in compliance with Utah OGM regulation R649-3-2.

Gasco Production is the designated operator for the subject well.

Date: July 1, 2015

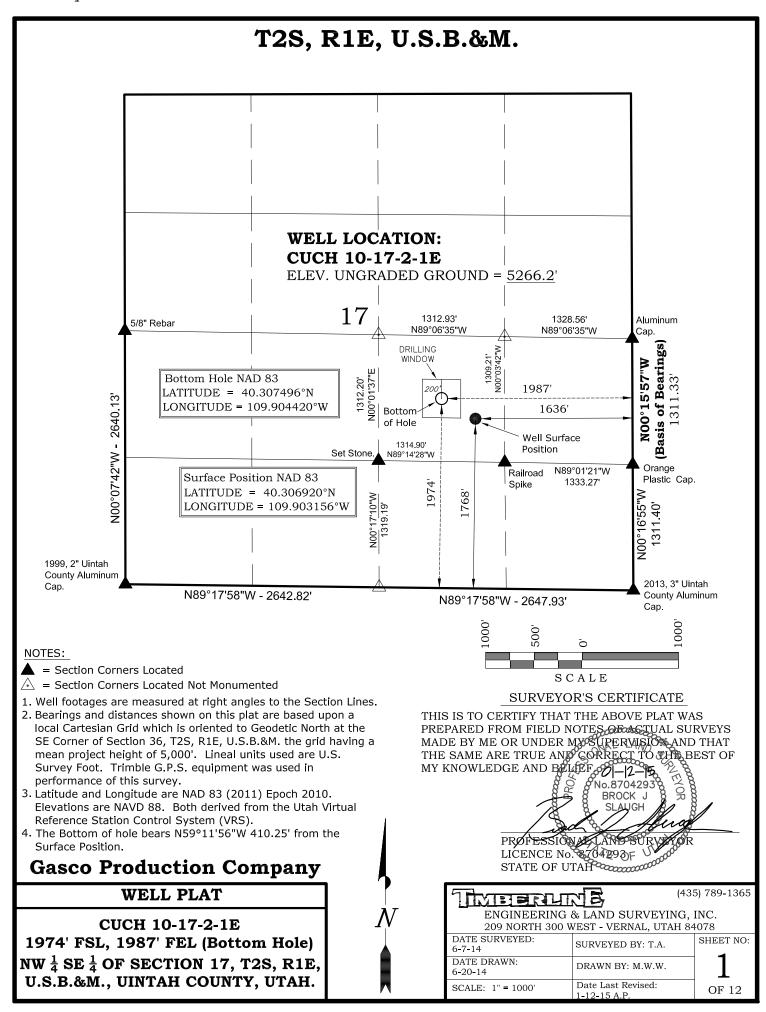
Affiant

Brandon Casey

Landman

Acknowl	edgements
STATE OF Colorado	
) s	S. §
COUNTY OF Denver	
be the person or persons whose names are subscribed to	_ fpg E
	Notary Public

JOSHUA RYAN CRIST NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20144002561 MY COMMISSION EXPIRES JANUARY 17, 2018





Badlands Energy- Utah, LLC

CUCH SECTION 17 T2S, R1E CUCH 10-17-2-1E

Wellbore #1

Plan: Design #1

Standard Planning Report

11 June, 2015





Payzone Directional

Planning Report



Database: Company: Project:

EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

Design #1

SECTION 17 T2S, R1E CUCH 10-17-2-1E Wellbore #1

Local Co-ordinate Reference: TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

Project CUCH

Map System:

Site:

Well:

Wellbore:

Design:

US State Plane 1983 North American Datum 1983 Geo Datum:

Utah Central Zone Map Zone:

System Datum:

Mean Sea Level

SECTION 17 T2S, R1E Site

Northing: 7,284,499.09 usft Site Position: Latitude: 40° 18' 24.912 N From: Lat/Long Easting: 2,085,730.24 usft Longitude: 109° 54' 11.362 W **Position Uncertainty:** 0.0 usft Slot Radius: 13-3/16 " **Grid Convergence:** 1.02°

Well CUCH 10-17-2-1E, SHL: 40° 18' 24.912 -109° 54' 11.362

Well Position +N/-S 0.0 usft Northing: 7,284,499.08 usft Latitude: 40° 18' 24.912 N +E/-W 0.0 usft Easting: 2,085,730.24 usft Longitude: 109° 54' 11.362 W

Position Uncertainty 0.0 usft Wellhead Elevation: 5,293.2 usft **Ground Level:** 5,266.2 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	6/11/2015	10.77	65.94	52,041

Design	Design #1					
Audit Notes:						
Version:		Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:		Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
		0.0	0.0	0.0	300.46	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,794.7	2.92	300.46	4,794.7	2.5	-4.3	1.50	1.50	0.00	300.46	
12,710.4	2.92	300.46	12,700.0	207.0	-352.0	0.00	0.00	0.00	0.00	CUCH 10-17-2-1E T

6/11/2015 1:11:59PM Page 2 COMPASS 5000.1 Build 70



Payzone Directional

Planning Report



Database: Company:

Wellbore:

EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

Project: Site: Well:

SECTION 17 T2S, R1E CUCH 10-17-2-1E Wellbore #1 Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

iibore: sign:	Design #1								
nned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0		0.00	0.00
							0.00		
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,575.0	0.00	0.00	2,575.0	0.0	0.0	0.0	0.00	0.00	0.00
Uintah	0.00	0.00	0.000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4.000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0 4,500.0	0.00	0.00	4,400.0 4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface Cas		0.00	₹,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1		0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	1.50	300.46	4,700.0	0.7	-1.1	1.3	1.50	1.50	0.00
4,794.7	2.92	300.46	4,794.7	2.5	-4.3	5.0	1.50	1.50	0.00
	hold at 4794.7 N								



Payzone Directional

Planning Report



Database: Company: Project:

EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

SECTION 17 T2S, R1E Site: Well: CUCH 10-17-2-1E Wellbore: Wellbore #1 Decian Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

Design:	Design #1								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0 4,900.0 5,000.0	2.92 2.92 2.92	300.46 300.46 300.46	4,799.9 4,899.8 4,999.6	2.7 5.2 7.8	-4.5 -8.9 -13.3	5.2 10.3 15.4	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
5,100.0 5,200.0	2.92 2.92	300.46 300.46	5,099.5 5,199.4	10.4 13.0	-17.7 -22.1	20.5 25.6	0.00 0.00	0.00 0.00	0.00 0.00
5,300.0 5,400.0 5,450.9	2.92 2.92 2.92	300.46 300.46 300.46	5,299.3 5,399.1 5,450.0	15.6 18.2 19.5	-26.5 -30.9 -33.1	30.7 35.8 38.4	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Upper Green		0000	0,100.0			00.1	0.00	0.00	0.00
5,500.0	2.92	300.46	5,499.0	20.7	-35.3	40.9	0.00	0.00	0.00
5,600.0 5,700.0	2.92 2.92	300.46 300.46	5,598.9 5,698.7	23.3 25.9	-39.7 -44.0	46.0 51.1	0.00	0.00	0.00
5,800.0	2.92	300.46	5,798.6	28.5	-44.0 -48.4	56.2	0.00	0.00	0.00
5,900.0	2.92	300.46	5,898.5	31.1	-52.8	61.3	0.00	0.00	0.00
6,000.0	2.92	300.46	5,998.3	33.7	-57.2	66.4	0.00	0.00	0.00
6,100.0	2.92	300.46	6,098.2	36.2	-61.6	71.5	0.00	0.00	0.00
6,200.0 6,300.0	2.92 2.92	300.46 300.46	6,198.1 6,298.0	38.8 41.4	-66.0 -70.4	76.6 81.7	0.00 0.00	0.00 0.00	0.00 0.00
6,400.0	2.92	300.46	6,397.8	44.0	-74.8	86.8	0.00	0.00	0.00
6,500.0	2.92	300.46	6,497.7	46.6	-79.2	91.9	0.00	0.00	0.00
6,600.0	2.92	300.46	6,597.6	49.2	-83.6	97.0	0.00	0.00	0.00
6,700.0	2.92	300.46	6,697.4	51.7	-88.0	102.1	0.00	0.00	0.00
6,800.0	2.92	300.46	6,797.3	54.3	-92.4	107.2	0.00	0.00	0.00
6,900.0	2.92	300.46	6,897.2	56.9	-96.8	112.2	0.00	0.00	0.00
7,000.0 7,100.0	2.92 2.92	300.46 300.46	6,997.1 7,096.9	59.5 62.1	-101.2 -105.5	117.3 122.4	0.00 0.00	0.00 0.00	0.00 0.00
7,200.0	2.92	300.46	7,196.8	64.7	-109.9	127.5	0.00	0.00	0.00
7,300.0	2.92	300.46	7,296.7	67.2	-114.3	132.6	0.00	0.00	0.00
7,400.0	2.92	300.46	7,396.5	69.8	-118.7	137.7	0.00	0.00	0.00
7,500.0	2.92	300.46	7,496.4	72.4	-123.1	142.8	0.00	0.00	0.00
7,600.0	2.92	300.46	7,596.3	75.0	-127.5	147.9	0.00	0.00	0.00
7,700.0	2.92	300.46	7,696.1	77.6	-131.9	153.0	0.00	0.00	0.00
7,800.0	2.92	300.46	7,796.0	80.2	-136.3	158.1	0.00	0.00	0.00
7,900.0	2.92	300.46	7,895.9	82.7	-140.7	163.2	0.00	0.00	0.00
8,000.0 8,100.0	2.92 2.92	300.46 300.46	7,995.8 8,095.6	85.3 87.9	-145.1 -149.5	168.3 173.4	0.00 0.00	0.00 0.00	0.00 0.00
8,200.0 8,300.0	2.92 2.92	300.46 300.46	8,195.5	90.5 93.1	-153.9 -158.3	178.5 183.6	0.00 0.00	0.00 0.00	0.00 0.00
8,400.0	2.92	300.46	8,295.4 8,395.2	95.7	-162.7	188.7	0.00	0.00	0.00
8,494.9	2.92	300.46	8,490.0	98.1	-166.8	193.5	0.00	0.00	0.00
MGMK Marke			.,						
8,500.0	2.92	300.46	8,495.1	98.2	-167.0	193.8	0.00	0.00	0.00
8,571.0	2.92	300.46	8,566.0	100.1	-170.2	197.4	0.00	0.00	0.00
Lower Green									
8,600.0	2.92	300.46	8,595.0	100.8	-171.4	198.9	0.00	0.00	0.00
8,700.0	2.92	300.46	8,694.8	103.4	-175.8	204.0	0.00	0.00	0.00
8,800.0	2.92	300.46	8,794.7 8,894.6	106.0 108.6	-180.2 184.6	209.1	0.00	0.00	0.00
8,900.0	2.92	300.46	8,894.6	108.6	-184.6	214.2	0.00	0.00	0.00
9,000.0	2.92	300.46	8,994.5	111.2	-189.0	219.3	0.00	0.00	0.00
9,100.0 9,200.0	2.92 2.92	300.46 300.46	9,094.3 9,194.2	113.7 116.3	-193.4 -197.8	224.4 229.5	0.00 0.00	0.00 0.00	0.00
9,200.0 9,300.0	2.92 2.92	300.46	9,194.2 9,294.1	118.9	-197.8 -202.2	229.5 234.6	0.00	0.00	0.00 0.00
9,400.0	2.92	300.46	9,393.9	121.5	-202.2	239.7	0.00	0.00	0.00
							3.00		

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Payzone Directional

Planning Report



Database: Company: Project:

EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

SECTION 17 T2S, R1E Site: Well: CUCH 10-17-2-1E Wellbore: Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

enbore. esign:	Design #1								
lanned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.0 9,600.0 9,694.5	2.92 2.92 2.92	300.46 300.46 300.46	9,493.8 9,593.7 9,688.0	124.1 126.6 129.1	-211.0 -215.4 -219.5	244.7 249.8 254.7	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Wasatch									
9,700.0 9,800.0	2.92 2.92	300.46 300.46	9,693.5 9,793.4	129.2 131.8	-219.8 -224.2	254.9 260.0	0.00 0.00	0.00 0.00	0.00 0.00
9,900.0 10,000.0 10,100.0 10,200.0	2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46	9,893.3 9,993.2 10,093.0 10,192.9	134.4 137.0 139.6 142.1	-228.5 -232.9 -237.3 -241.7	265.1 270.2 275.3 280.4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
10,300.0	2.92	300.46	10,192.9	144.7	-241.7 -246.1	285.5	0.00	0.00	0.00
10,400.0 10,500.0 10,600.0 10,700.0	2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46	10,392.6 10,492.5 10,592.4 10,692.2	147.3 149.9 152.5 155.1	-250.5 -254.9 -259.3 -263.7	290.6 295.7 300.8 305.9	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
10,800.0	2.92	300.46	10,792.1	157.6	-268.1	311.0	0.00	0.00	0.00
10,900.0 11,000.0 11,100.0 11,200.0 11,300.0	2.92 2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46 300.46	10,892.0 10,991.9 11,091.7 11,191.6 11,291.5	160.2 162.8 165.4 168.0 170.6	-272.5 -276.9 -281.3 -285.7 -290.0	316.1 321.2 326.3 331.4 336.5	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
11,400.0 11,500.0 11,600.0 11,641.0	2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46	11,391.3 11,491.2 11,591.1 11,632.0	173.1 175.7 178.3 179.4	-294.4 -298.8 -303.2 -305.0	341.6 346.7 351.8 353.9	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Lower Wasa									
11,700.0 11,800.0 11,900.0 12,000.0 12,100.0 12,200.0	2.92 2.92 2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46 300.46	11,690.9 11,790.8 11,890.7 11,990.6 12,090.4 12,190.3	180.9 183.5 186.1 188.6 191.2 193.8	-307.6 -312.0 -316.4 -320.8 -325.2 -329.6	356.9 362.0 367.1 372.2 377.2 382.3	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
12,300.0 12,400.0 12,500.0 12,600.0 12,610.2	2.92 2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46 300.46	12,290.2 12,390.0 12,489.9 12,589.8 12,600.0	196.4 199.0 201.6 204.1 204.4	-334.0 -338.4 -342.8 -347.2 -347.6	387.4 392.5 397.6 402.7 403.3	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Flagstaff			, -						
12,700.0 12,710.4	2.92 2.92	300.46 300.46	12,689.6 12,700.0	206.7 207.0	-351.5 -352.0	407.8 408.4	0.00 0.00	0.00 0.00	0.00 0.00
TD at 12710	4 - PTD								

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
CUCH 10-17-2-1E TGT - plan hits target cen - Rectangle (sides W		0.00 D0.0)	12,700.0	207.0	-352.0	7,284,699.77	2,085,374.60	40° 18' 26.958 N	109° 54' 15.905 W



Payzone Directional

Planning Report



Database: Company: Project:

EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

SECTION 17 T2S, R1E Site: Well: CUCH 10-17-2-1E Wellbore: Wellbore #1 Design: Design #1

Local Co-ordinate Reference: TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,575.0	2,575.0	Uintah		0.00	
5,450.9	5,450.0	Upper Green River		0.00	
8,494.9	8,490.0	MGMK Marker		0.00	
8,571.0	8,566.0	Lower Green River		0.00	
9,694.5	9,688.0	Wasatch		0.00	
11,641.0	11,632.0	Lower Wasatch		0.00	
12,610.2	12,600.0	Flagstaff		0.00	
12,710.4	12,700.0	PTD		0.00	

Plan Annotations				
Measured	Vertical	Local Coor	dinates	
Depth	Depth	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	Comment
4,500.0	4,500.0	0.0	0.0	Surface Casing
4,600.0	4,600.0	0.0	0.0	Start Build 1.50
4,794.7	4,794.7	2.5	-4.3	Start 7915.6 hold at 4794.7 MD
12,710.4	12,700.0	207.0	-352.0	TD at 12710.4

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RECEIVED: Jul. 01, 2015

Sundry Number: 64508 API Well Number: 43047551160000

Well Name:CUCH 10-17-2-1E
Surface Location: SECTION 17 T2S, R1E
North American Datum 1983 , US State Plane 1983 , Utah Central Zone
Ground Elevation: 5266.3

Latitude Longitude
Longitude
Longitude BADLANDS ENERGY, INC. Name CUCH 10-17-2-1E TGT

Vertical Section at 300.46° (3000 usft/in)

+E/-W Northing 7284499.08 Easting 2085730.25 +N/-S

Latittude 40° 18' 24.912 N

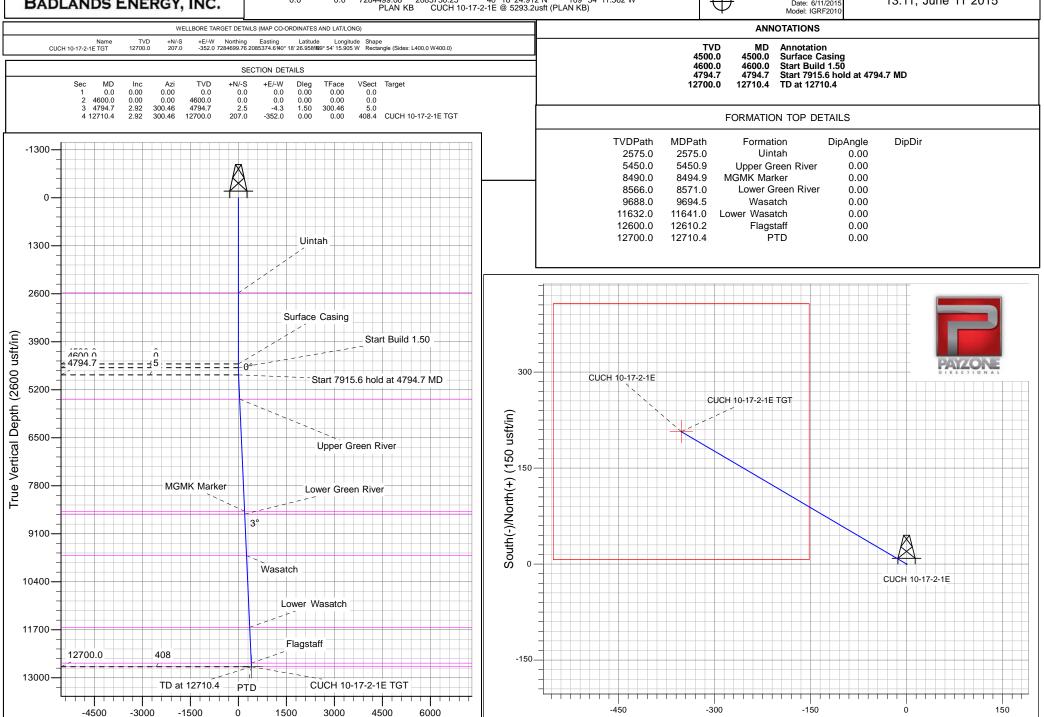
Longitude 109° 54' 11.362 W Slot

Azimuths to True North Magnetic North: 10.77

West(-)/East(+) (150 usft/in)

Magnetic Field Strength: 52041.4snT Dip Angle: 65.94 Date: 6/11/2015

SECTION 17 T2S, R1E CUCH 10-17-2-1E Design #1 13:11, June 11 2015



	FORM 9							
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES 5.LEASE DESIGNATION AND SERIAL N	IMRED:							
DIVISION OF OIL, GAS, AND MINING SECASE DESIGNATION AND SERIAL N	JWIDER.							
SUNDRY NOTICES AND REPORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NA	VIE:							
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 7.UNIT or CA AGREEMENT NAME:								
1. TYPE OF WELL Oil Well 8. WELL NAME and NUMBER: Cuch 10-17-2-1E								
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY 9. API NUMBER: 43047551160000								
3. ADDRESS OF OPERATOR: 7979 East Tufts Avenue, Suite 1150, Denver, CO, 80237 PHONE NUMBER: 303 996-1805 Ext BLUEBELL								
4. LOCATION OF WELL FOOTAGES AT SURFACE: UINTAH								
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 17 Township: 02.0S Range: 01.0E Meridian: U UTAH								
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA								
TYPE OF SUBMISSION TYPE OF ACTION								
☐ ACIDIZE ☐ ALTER CASING ☐ CASING REPAIR								
NOTICE OF INTENT Approximate date work will start: CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME								
CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE								
SUBSEQUENT REPORT Date of Work Completion: DEEPEN DEEPEN FRACTURE TREAT NEW CONSTRUCTION								
OPERATOR CHANGE PLUG AND ABANDON PLUG BACK								
SPUD REPORT PRODUCTION START OR RESUME RECLAMATION OF WELL SITE RECOMPLETE DIFFERENT FORMATION								
Date of Spud: REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARY ABANDON								
TUBING REPAIR VENT OR FLARE WATER DISPOSAL								
PRILLING REPORT Report Date: SI TA STATUS EXTENSION APD EXTENSION								
7/1/2015 UNIDICAT WELL DETERMINATION OTHER: OTHER:								
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco Production Co drilled to 4500' and set conductor at 4369' on 6/30/15 with a lead of 690 sks/337 bbls and a tail of 155 sks/46 bbls Class G with 2% Kcl cement. Gasco did not see cement back to surface and rigged up to do a top job. Cement was tagged at 120'. Gasco pumped 28 bbls Class G cement with 2% Kcl and saw returns at 18 bbls away/10 bbls cement back to surface. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 06, 2015								
NAME (PLEASE PRINT) Jessica Berg PHONE NUMBER TITLE Regulatory Analyst								
SIGNATURE DATE 7/1/2015								

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9		
ı	DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: Fee		
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Cuch 10-17-2-1E		
2. NAME OF OPERATOR: GASCO PRODUCTION COME	PANY		9. API NUMBER: 43047551160000		
3. ADDRESS OF OPERATOR: 7979 East Tufts Avenue, So	PHC uite 1150 , Denver, CO, 80237	ONE NUMBER: 303 996-1805 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1768 FSL 1636 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 17 Township: 02.0S Range: 01.0E Meridian:	U	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
7	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start: 6/29/2015	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
0/29/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
Date of Work Completion.	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all pe	artinent details including dates d	lenths volumes etc		
	e following changes to the appr		REQUEST DENIED		
	<mark>l conductor</mark> from 48#'s to 65# <mark>In</mark>		Utuly ©6yi≥0di5 of		
	Added a slight directional asp		Oil, Gas and Mining		
	ndow for spacing purposes <mark>Sligl</mark>		Date:		
from 12,700 to 12,7	710. A revised drilling plan and are attached.	new directional plan	By: De C		
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE			
Jessica Berg	303 996-1805	Regulatory Analyst			
SIGNATURE N/A		DATE 6/29/2015			

Gasco Production Company Cuch 10-17-2-1E NWSE, Section 17 T2S, R1E, U.S.B.&M. Uintah County, UT

Drilling Program

1.	Formation Tops	MD
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Duchesne River /Uinta	Surface
Upper Green River	5,450'
MGMK Marker	8,490'
Lower Green River	8,566'
Wasatch	9,688'
Total Depth	12,710'

2. Depth to Oil, Gas, Water, or Minerals

Upper Green River	5,450' -	(Oil)
Lower Green River	8,566' -	(Oil)
Wasatch	9,688' -	(Oil)

Fresh water may be encountered in the Duchesne Formation, but is not expected below about 300'.

3. Pressure Control

Section	BOP Description
Surface	12-1/4" diverter

Interm/Prod The BOP and related equipment shall meet the minimum requirements of

Onshore Oil and Gas Order No. 2 for equipment and testing requirements,

procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at

least 5,000 psi will be used.

4. Casing

Description	Interval (MD)		Weight	Grade Coup	Cour	Pore Press @	MW @	Frac Grad @	Safety Factors		
Description	Тор	Bottom	(ppf)) Grade	Coup	Shoe	Shoe	Shoe	Burst	Collapse -	Tension
Conductor	0'	80'	65	11.40	STC				1,730	770	322,000
16	U	80	65	H-40	SIC						
Surface	0'	4,500'	36	1.55	LTC	8.33	8.6	11	3,520	2,020	453,000
9 5/8	U	4,500	36	J-55	LIC	8.33	8.0	11	1.54	1.35	2.80
Production	0'	12.710	2,710' 17	P-110	LTC	9	0.2	9.2 11	10,640	7,480	445,000
5 1/2	O	0' 12,710'					9.2		2.27	1.56	2.06

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Share Description	ft³	ОН	Weight	Yield	
100	noie Size	FIII	Slurry Description	sacks	excess	(ppg)	(ft ³ /sk)	
Conductor	24	80'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	161	15%	15.8	1.17	
Conductor	24	80	Flake	137	15%		1.17	
Surface	12 1/4	4,200'	Class G w/ 2% KCl + 0.25 lbs/sk Flocele	2631	100%	15.8	1.15	
Lead	12 1/4	4,200	Class G w/ 2% KCI + 0.25 lbs/sk riocele	2288			1.15	
Surface	12 1/4	300'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	392	100%	15.8	1.17	
Tail	12 1/4	300	Flake	335			1.17	
Production	8 1/2	3,500'	5 40 10 250 151	1002	250/	11.0	2.10	
Lead	8 1/2	3,500	Econocem-1# granulite+.25# polyflake	323	25%	11.0	3.10	
Production	8 1/2	9,210'	Econocem95%bw HR-5+.125#	4537	250/	13.0	2.10	
Tail	0 1/2	9,210	polyflake	2160	25%		2.10	

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 25% excess.

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u> <u>Description</u>

Surface - 4,500' An air and/or fresh water system will be utilized.

4,500' - TD A water based mud system will be utilized. Hole stability may be improved

with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite,

and if conditions warrant, with barite.

Anticipated maximum mud weight is 9.2 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the

surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from

PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.47 psi/ft gradient.

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

This is planned as a vertical well.

Based on prior drilling experience in the area, Gasco Production Company is confident that the 5 1/2", 17.0# production is more than sufficient to avoid any possible mechanical integrity problems relating to collapse or burst conditions.

Variance Request for FIT Requirements:

Gasco Production Company respectfully requests a variance to Onshore Order 2, Section III, Part B, for the Pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.



Badlands Energy- Utah, LLC

CUCH SECTION 17 T2S, R1E CUCH 10-17-2-1E

Wellbore #1

Plan: Design #1

Standard Planning Report

11 June, 2015





Payzone Directional

Planning Report



Database: Company: EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

Design #1

Project: Site: Well:

SECTION 17 T2S, R1E CUCH 10-17-2-1E Wellbore #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

Design: Project

Wellbore:

CUCH

Map System: Geo Datum: US State Plane 1983 North American Datum 1983

Map Zone: Utah Central Zone

System Datum:

Mean Sea Level

Site

Well

Well Position

Wellbore

SECTION 17 T2S, R1E

Site Position: From:

Lat/Long 0.0 usft Northing: Easting: Slot Radius: 7,284,499.09 usft 2,085,730.24 usft 13-3/16 " Latitude: Longitude: Grid Convergence: 40° 18' 24.912 N 109° 54' 11.362 W

1.02 °

Position Uncertainty:

CUCH 10-17-2-1E, SHL: 40° 18' 24.912 -109° 54' 11.362

0.0 usft

+N/-S 0.0 usft **+E/-W** 0.0 usft

Northing: Easting: Wellhead Elevation: 7,284,499.08 usft 2,085,730.24 usft 5,293.2 usft Latitude: Longitude: Ground Level: 40° 18' 24.912 N 109° 54' 11.362 W 5,266.2 usft

Position Uncertainty

Wellbore #1

Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	6/11/2015	10.77	65.94	52,041

Design	Design #1					
Audit Notes:						
Version:		Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction	
		(usft)	(usft)	(usft)	(°)	
		0.0	0.0	0.0	300.46	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,794.7	2.92	300.46	4,794.7	2.5	-4.3	1.50	1.50	0.00	300.46	
12,710.4	2.92	300.46	12,700.0	207.0	-352.0	0.00	0.00	0.00	0.00	CUCH 10-17-2-1E TG

6/11/2015 1:11:59PM Page 2 COMPASS 5000.1 Build 70



Payzone Directional

Planning Report



Database: Company: EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

Project: SECTION 17 T2S, R1E Site: Well: CUCH 10-17-2-1E Wellbore: Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

sign:	Design #1								
anned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2.000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
				0.0			0.00		
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,575.0	0.00	0.00	2,575.0	0.0	0.0	0.0	0.00	0.00	0.00
Uintah									
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2 000 0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0			3.000.0				0.00		
3,000.0	0.00	0.00	- ,	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface Casir									
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.		0.00	.,555.5	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	1.50	300.46	4,700.0	0.7	-1.1	1.3	1.50	1.50	0.00
4,794.7	2.92	300.46	4,794.7	2.5	-4.3	5.0	1.50	1.50	0.00
7,107.1	2.02	550.40	1,104.1	2.0	4.5	0.0	1.55	1.00	0.00



Payzone Directional

Planning Report



Database: Company: EDM 5000.1 Single User Db

Badlands Energy- Utah, LLC

Project: CUCH

 Site:
 SECTION 17 T2S, R1E

 Well:
 CUCH 10-17-2-1E

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

esign:	Design #1								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	2.92	300.46	4,799.9	2.7	-4.5	5.2	0.00	0.00	0.00
4,900.0	2.92	300.46	4,899.8	5.2	-8.9	10.3	0.00	0.00	0.00
5,000.0	2.92	300.46	4,999.6	7.8	-13.3	15.4	0.00	0.00	0.00
5,100.0	2.92	300.46	5,099.5	10.4	-17.7	20.5	0.00	0.00	0.00
5,200.0	2.92	300.46	5,199.4	13.0	-22.1	25.6	0.00	0.00	0.00
5,300.0	2.92	300.46	5,299.3	15.6	-26.5	30.7	0.00	0.00	0.00
5,400.0	2.92	300.46	5,399.1	18.2	-30.9	35.8	0.00	0.00	0.00
5,450.9	2.92	300.46	5,450.0	19.5	-33.1	38.4	0.00	0.00	0.00
Upper Green	River								
5,500.0	2.92	300.46	5,499.0	20.7	-35.3	40.9	0.00	0.00	0.00
5,600.0	2.92	300.46	5,598.9	23.3	-39.7	46.0	0.00	0.00	0.00
5,700.0	2.92	300.46	5,698.7	25.9	-44.0	51.1	0.00	0.00	0.00
5,800.0	2.92	300.46	5,798.6	28.5	-48.4	56.2	0.00	0.00	0.00
5,900.0	2.92	300.46	5,898.5	31.1	-52.8	61.3	0.00	0.00	0.00
6,000.0	2.92	300.46	5,998.3	33.7	-57.2	66.4	0.00	0.00	0.00
6,100.0	2.92	300.46	6,098.2	36.2	-61.6	71.5	0.00	0.00	0.00
6,200.0	2.92	300.46	6,198.1	38.8	-66.0	76.6	0.00	0.00	0.00
6,300.0	2.92	300.46	6,298.0	41.4	-70.4	81.7	0.00	0.00	0.00
6,400.0	2.92	300.46	6,397.8	44.0	-74.8	86.8	0.00	0.00	0.00
6,500.0	2.92	300.46	6,497.7	46.6	-79.2	91.9	0.00	0.00	0.00
6,600.0	2.92	300.46	6,597.6	49.2	-83.6	97.0	0.00	0.00	0.00
6,700.0	2.92	300.46	6,697.4	51.7	-88.0	102.1	0.00	0.00	0.00
6,800.0	2.92	300.46	6,797.3	54.3	-92.4	107.2	0.00	0.00	0.00
6,900.0	2.92	300.46	6,897.2	56.9	-96.8	112.2	0.00	0.00	0.00
7,000.0	2.92	300.46	6,997.1	59.5	-101.2	117.3	0.00	0.00	0.00
7,100.0	2.92	300.46	7,096.9	62.1	-105.5	122.4	0.00	0.00	0.00
7,200.0	2.92	300.46	7,196.8	64.7	-109.9	127.5	0.00	0.00	0.00
7,300.0	2.92	300.46	7,296.7	67.2	-114.3	132.6	0.00	0.00	0.00
7,400.0	2.92	300.46	7,396.5	69.8	-118.7	137.7	0.00	0.00	0.00
7,500.0	2.92	300.46	7,496.4	72.4	-123.1	142.8	0.00	0.00	0.00
7,600.0	2.92	300.46	7,596.3	75.0	-127.5	147.9	0.00	0.00	0.00
7,700.0	2.92	300.46	7,696.1	77.6	-131.9	153.0	0.00	0.00	0.00
7,800.0	2.92	300.46	7,796.0	80.2	-136.3	158.1	0.00	0.00	0.00
7,900.0	2.92	300.46	7,895.9	82.7	-140.7	163.2	0.00	0.00	0.00
8,000.0	2.92	300.46	7,995.8	85.3	-145.1	168.3	0.00	0.00	0.00
8,100.0	2.92	300.46	8,095.6	87.9	-149.5	173.4	0.00	0.00	0.00
8,200.0	2.92	300.46	8,195.5	90.5	-153.9	178.5	0.00	0.00	0.00
8,300.0	2.92	300.46	8,295.4	93.1	-158.3	183.6	0.00	0.00	0.00
8,400.0	2.92	300.46	8,395.2	95.7	-162.7	188.7	0.00	0.00	0.00
8,494.9	2.92	300.46	8,490.0	98.1	-166.8	193.5	0.00	0.00	0.00
MGMK Marke	r 2.92	200.46	8,495.1	00.0	167.0	193.8	0.00	0.00	0.00
8,500.0		300.46		98.2	-167.0				
8,571.0	2.92	300.46	8,566.0	100.1	-170.2	197.4	0.00	0.00	0.00
Lower Green									
8,600.0	2.92	300.46	8,595.0	100.8	-171.4	198.9	0.00	0.00	0.00
8,700.0	2.92	300.46	8,694.8	103.4	-175.8	204.0	0.00	0.00	0.00
8,800.0	2.92	300.46	8,794.7	106.0	-180.2	209.1	0.00	0.00	0.00
8,900.0	2.92	300.46	8,894.6	108.6	-184.6	214.2	0.00	0.00	0.00
9,000.0	2.92	300.46	8,994.5	111.2	-189.0	219.3	0.00	0.00	0.00
9,100.0	2.92	300.46	9,094.3	113.7	-193.4	224.4	0.00	0.00	0.00
9,200.0	2.92	300.46	9,194.2	116.3	-197.8	229.5	0.00	0.00	0.00
9,300.0	2.92	300.46	9,294.1	118.9	-202.2	234.6	0.00	0.00	0.00
9,400.0	2.92	300.46	9,393.9	121.5	-206.6	239.7	0.00	0.00	0.00

6/11/2015 1:11:59PM Page 4 COMPASS 5000.1 Build 70



Payzone Directional

Planning Report



Database: Company: Project: EDM 5000.1 Single User Db

Badlands Energy- Utah, LLC

CUCH

 Site:
 SECTION 17 T2S, R1E

 Well:
 CUCH 10-17-2-1E

 Wellbore:
 Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

esign:	Design #1								
lanned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.0 9,600.0 9,694.5	2.92 2.92 2.92	300.46 300.46 300.46	9,493.8 9,593.7 9,688.0	124.1 126.6 129.1	-211.0 -215.4 -219.5	244.7 249.8 254.7	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Wasatch 9,700.0 9,800.0	2.92 2.92	300.46 300.46	9,693.5 9,793.4	129.2 131.8	-219.8 -224.2	254.9 260.0	0.00 0.00	0.00 0.00	0.00 0.00
9,900.0 10,000.0 10,100.0 10,200.0	2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46 300.46	9,893.3 9,993.2 10,093.0 10,192.9	134.4 137.0 139.6 142.1	-228.5 -232.9 -237.3 -241.7	265.1 270.2 275.3 280.4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
10,300.0 10,400.0 10,500.0 10,600.0 10,700.0	2.92 2.92 2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46	10,292.8 10,392.6 10,492.5 10,592.4 10,692.2	144.7 147.3 149.9 152.5 155.1	-246.1 -250.5 -254.9 -259.3 -263.7	285.5 290.6 295.7 300.8 305.9	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00
10,800.0 10,900.0 11,000.0 11,100.0 11,200.0 11,300.0	2.92 2.92 2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46 300.46 300.46	10,792.1 10,892.0 10,991.9 11,091.7 11,191.6 11,291.5	157.6 160.2 162.8 165.4 168.0 170.6	-268.1 -272.5 -276.9 -281.3 -285.7 -290.0	311.0 316.1 321.2 326.3 331.4 336.5	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
11,400.0 11,500.0 11,600.0 11,641.0	2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46	11,391.3 11,491.2 11,591.1 11,632.0	173.1 175.7 178.3 179.4	-294.4 -298.8 -303.2 -305.0	341.6 346.7 351.8 353.9	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Lower Wasat 11,700.0	t ch 2.92	300.46	11,690.9	180.9	-307.6	356.9	0.00	0.00	0.00
11,800.0 11,900.0 12,000.0 12,100.0 12,200.0	2.92 2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46 300.46	11,790.8 11,890.7 11,990.6 12,090.4 12,190.3	183.5 186.1 188.6 191.2 193.8	-312.0 -316.4 -320.8 -325.2 -329.6	362.0 367.1 372.2 377.2 382.3	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
12,300.0 12,400.0 12,500.0 12,600.0 12,610.2	2.92 2.92 2.92 2.92 2.92	300.46 300.46 300.46 300.46 300.46	12,290.2 12,390.0 12,489.9 12,589.8 12,600.0	196.4 199.0 201.6 204.1 204.4	-334.0 -338.4 -342.8 -347.2 -347.6	387.4 392.5 397.6 402.7 403.3	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Flagstaff									
12,700.0 12,710.4	2.92 2.92	300.46 300.46	12,689.6 12,700.0	206.7 207.0	-351.5 -352.0	407.8 408.4	0.00 0.00	0.00 0.00	0.00 0.00
TD at 12710.4	4 - PTD								

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
CUCH 10-17-2-1E TGT - plan hits target cen - Rectangle (sides W		0.00 D0.0)	12,700.0	207.0	-352.0	7,284,699.77	2,085,374.60	40° 18' 26.958 N	109° 54' 15.905 W



Payzone Directional

Planning Report



Database: Company: Project:

Site:

EDM 5000.1 Single User Db Badlands Energy- Utah, LLC

CUCH

SECTION 17 T2S, R1E

Well: CUCH 10-17-2-1E Wellbore: Wellbore #1 Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well CUCH 10-17-2-1E

CUCH 10-17-2-1E @ 5293.2usft (PLAN KB) CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

True

Minimum Curvature

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,575.0	2,575.0	Uintah		0.00	
5,450.9	5,450.0	Upper Green River		0.00	
8,494.9	8,490.0	MGMK Marker		0.00	
8,571.0	8,566.0	Lower Green River		0.00	
9,694.5	9,688.0	Wasatch		0.00	
11,641.0	11,632.0	Lower Wasatch		0.00	
12,610.2	12,600.0	Flagstaff		0.00	
12,710.4	12,700.0	PTD		0.00	

Plan Annotations				
Measured	Vertical	Local Coor	dinates	
Depth	Depth	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	Comment
4,500.0	4,500.0	0.0	0.0	Surface Casing
4,600.0	4,600.0	0.0	0.0	Start Build 1.50
4,794.7	4,794.7	2.5	-4.3	Start 7915.6 hold at 4794.7 MD
12,710.4	12,700.0	207.0	-352.0	TD at 12710.4

6/11/2015 1:11:59PM COMPASS 5000.1 Build 70 Page 6

Sundry Number: 64318 API Well Number: 43047551160000

Well Name:CUCH 10-17-2-1E
Surface Location: SECTION 17 T2S, R1E
North American Datum 1983 , US State Plan 1983 , Utah Central Zone
Ground Elevation: 5266.3

Latitude Longitude
Longitude
Longitude BADLANDS ENERGY, INC. Name CUCH 10-17-2-1E TGT

True Vertical Depth (2600 usft/in)

3900-

5200

6500

7800

9100

10400

11700-

13000

12700.0

-4500

4794.7

MGMK Marker

408

-3000

3°

Wasatch

Lower Wasatch

Flagstaff

1500

Vertical Section at 300.46° (3000 usft/in)

Start Build 1.50

Start 7915.6 hold at 4794.7 MD

Upper Green River

CUCH 10-17-2-1E TGT

6000

Lower Green River

+E/-W Northing 7284499.08 Easting 2085730.25 Latittude 40° 18' 24.912 N +N/-S PLAN KB

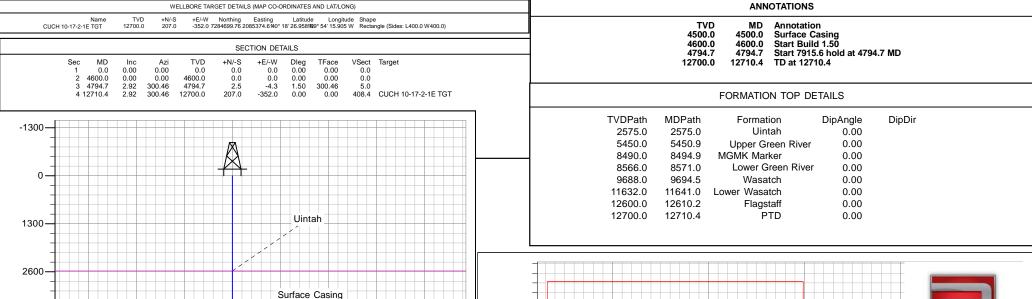
CUCH 10-17-2-1E @ 5293.2usft (PLAN KB)

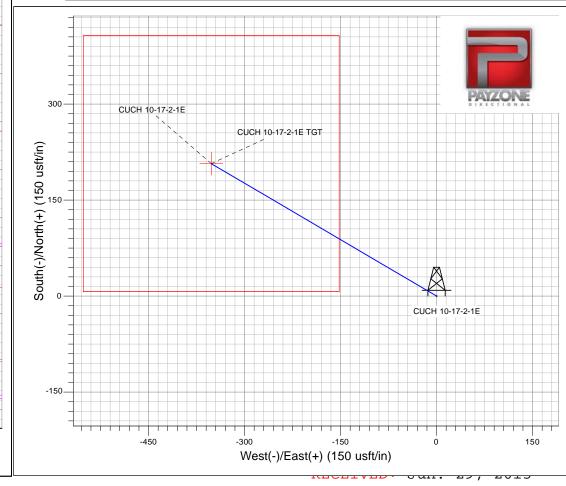
Longitude 109° 54' 11.362 W Slot

Azimuths to True North Magnetic North: 10.77

Magnetic Field Strength: 52041.4snT Dip Angle: 65.94 Date: 6/11/2015 Model: IGRF2010

SECTION 17 T2S, R1E CUCH 10-17-2-1E Design #1 13:11, June 11 2015





Badlands Energy Myton, Utah - Notification Form

Operator <u>BADLANDS ENERGY</u> Rig Name/# <u>SST 8</u> Submitted By <u>SCOTT ALLRED</u> Phone Number <u>435-828-0601</u> Well Name/Number <u>CUCH 10-17-2-1E</u> Qtr/Qtr <u>SW/NE</u> Section <u>17</u> Township <u>2 S</u> Range 1 E **WSE* Lease Serial Number <u>FEE</u> API Number 43-047-55116
SPUD NOTICE – Spud is the initial spudding of the well, not drilling out below a casing string.
Date/Time AM
CASING – Please report time casing run starts, not cementing times. Surface Casing Intermediate Casing Production Casing Liner Other Date/Time 6/29/2014 1:00 AM □ PM □
BOPE Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other Date/Time
Date/Time AM PM Remarks If you would like to witness, please call for a more exact time Thank You

CONFIDENTIAL

Badlands Energy Myton, Utah - Notification Form

Operator <u>BADLANDS ENERGY</u> Rig Name/# <u>SST 8</u> Submitted By <u>SCOTT ALLRED</u> Phone Number <u>435-828-0601</u> Well Name/Number <u>CUCH 10-17-2-1E</u> Qtr/Qtr <u>-SW/NE</u> Section <u>17</u> Township <u>2 S</u> Range 1 E *** E Lease Serial Number <u>FEE</u> API Number 43-047-55116							
<u>SPUD NOTICE</u> – Spud is the initial spudding of the well, Setting Conductor pipe and Cement Conductor Pipe. Not drilling out below Conductor Pipe.							
Date/Time AM							
CASING – Please report time casing run starts, not cementing times. Surface Casing Intermediate Casing Production Casing Liner Other Date/Time 7/20/2015 07:00 AM ☑ PM ☐							
BOPE Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other							
Date/Time AM PM Remarks <u>If you would like to witness, please call for a more exact time</u> Thank You							

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: Fee
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Cuch 10-17-2-1E
2. NAME OF OPERATOR: BADLANDS ENERGY-UTAH,	ITC		9. API NUMBER: 43047551160000
3. ADDRESS OF OPERATOR: 7979 E Tufts Ave, Suite 11	50 , Denver, CO, 80237	PHONE NUMBER: 303 996-1813 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1768 FSL 1636 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 17 Township: 02.0S Range: 01.0E Mei	ridian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE ✓ PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show 2-1E was put to production		CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Depths, volumes, etc. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 28, 2015
NAME (PLEASE PRINT)	PHONE NUM		
Lindsey J. Cooke SIGNATURE N/A	303 996-1834	Production Tech DATE 8/27/2015	

			DEPAF		TATE (AH L RESO	URCES	3				MENDE highligh		PORT nges)		FC	DRM 8
		[DIVISI	ON O	F OIL,	GAS	AND N	/ININ	G			5.	LEASE D	DESIGN	IATION AN	ID SEF	RIAL NUME	SER:
WEL	L COMI	PLET	ION	OR F	RECO	MPL	ETIO	N RE	EPOF	RT AN	D LOG	6.	IF INDIA	N, ALL	OTTEE OF	≀ TRIB	E NAME	
1a. TYPE OF WELL	_:	OI W	IL C]	GAS [DRY [ОТН	ER		7.	UNIT or 0	CA AGI	REEMENT	NAME		
b. TYPE OF WOR	HORIZ.	DI	EEP-	7	RE- ENTRY	7	DIFF. RESVR.	_				8.	WELL N	AME ar	nd NUMBE	R:		
2. NAME OF OPER	ATOR:	13	N L		ENTRY L		RESVR. L		OTH	ER		9.	API NUM	IBER:				
	DED. 4 TO D									Dugue			S EIEL B AA	VD DO	01 00 141		-	
3. ADDRESS OF O	PERATOR:	С	ITY			STATE		ZIP		PHONE	E NUMBER:	10) FIELD AI	ND PO	OL, OR WI	LDCA	I	
4. LOCATION OF V AT SURFACE:	VELL (FOOTAG	SES)								•		1	1. QTR/QT MERIDI	TR, SE	CTION, TO)WNSF	HIP, RANG	E,
AT TOP PRODU	ICING INTERV	AL REPO	RTED BEI	LOW:														
AT TOTAL DEP	ГН:											1:	2. COUNT	Υ		13	. STATE	UTAH
14. DATE SPUDDE	D: 15	. DATE T	D. REAC	CHED:	16. DAT	E COMPL	ETED:	A	ABANDON	ED	READY TO PF	RODUCE	17. El	EVATI	ONS (DF,	RKB, F	RT, GL):	
18. TOTAL DEPTH:	: MD TVD			19. PLUG	BACK T.I	D.: MD TVD			20. IF I	MULTIPLE C	OMPLETIONS,	HOW MANY?		EPTH E		MD TVD		
22. TYPE ELECTRI		MECHAN	NICAL LO	GS RUN (Submit co		n)			23.						TVD		
										WAS DST		N	10	YES YES		(Submi	t analysis) t report)	
24. CASING AND L	INER RECORD	(Report	all string	s set in w	ell)					DIRECTION	ONAL SURVEY?	<u> </u>	10	YES		(Submi	t copy)	
HOLE SIZE	SIZE/GRA		WEIGHT		TOP	(MD)	BOTTO	M (MD)		CEMENTER EPTH	CEMENT TY		LURRY JME (BBL)	CE	MENT TO)P **	AMOUNT	PULLED
		+												+				
25. TUBING RECO	RD																	
SIZE	DEPTH S	ET (MD)	PACK	ER SET (MD)	SIZE		DEPTH	SET (MD	PACKE	R SET (MD)	SIZE		DEPT	H SET (MI	D)	PACKER S	SET (MD)
																\perp		
26. PRODUCING IN		TOP	(MD)	вотто	OM (MD)	TOP	(TVD)	BOTTO	M (TVD)		AL (Top/Bot - MI		NO. H	OLES	PEF	RFOR <i>F</i>	TION STA	TUS
(A)			,		, ,		,				<u> </u>	,	+		Open	_	Squeezed	
(B)															Open	-	Squeezed	一
(C)															Open	 	Squeezed	一
(D)															Open	<u>=</u> -	Squeezed	
28. ACID, FRACTU	RE, TREATMEI	NT, CEME	NT SQUI	EEZE, ET	C.		'					•	•					
WAS WELL F	HYDRAULICALL	Y FRACT	TURED?	YES	NC		IF YES	DATE F	RACTUR	≣D:								
DEPTH I	NTERVAL								AMC	OUNT AND T	YPE OF MATER	RIAL						
29. ENCLOSED AT	TACHMENTS:														30.	WELL	STATUS:	
	RICAL/MECHA	NICALIO	ngs					SEOLOGI	IC REPOR	т [DST REPORT		ECTIONAI	SHD	/EY			
	RY NOTICE FO			CEMENT	VERIFIC	ATION		CORE AN		.	OTHER:							
							ш `			ш					_			

(CONTINUED ON BACK)

MORS TESTED	31. INITIAL PRO	ODUCTION				INT	ERVAL A (As sho	wn in item #26)				
MITERVAL B (As above in line mats) DATE PIRST PRODUCED. TEST DATE: HOURS TESTED. TEST PRODUCTION OIL -86L GAS - MCP: WATER - 86L PIRCO, METHOD. MATER. → MITERVAL C (As above in line mats)	DATE FIRST PR	RODUCED:	TEST DA	TE:		HOURS TESTED	D:		OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
DATE FIRST PRODUCED: TEST DATE: NOURS TESTED: RIFES: RIFES	CHOKE SIZE:	TBG. PRESS.	CSG. PRI	ESS. API GR	AVITY	BTU – GAS	GAS/OIL RATIO		N OIL – BBL:	GAS - MCF:	WATER – BBL:	INTERVAL STATUS:
CHOKE SIZE: TBG, PRESS. OSG, PRESS. API GRAVITY BTU - GAS OASGILRATIO SAFES:				<u> </u>		INT	ERVAL B (As show	wn in item #26)				•
RATES: →	DATE FIRST PR	RODUCED:	TEST DA	TE:		HOURS TESTER	D:		OIL – BBL:	GAS - MCF:	WATER – BBL:	PROD. METHOD:
DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: RATES: RATE	CHOKE SIZE:	TBG. PRESS.	CSG. PRI	ESS. API GR	AVITY	BTU – GAS	GAS/OIL RATIO		N OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
RATES: — A PART OF COMMENT OF CASE OF COMMENT OF CONTROL OF CONTRO						INT	ERVAL C (As show	wn in item #26)				
NTERVAL D (As shown in term #26) DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: REST PRODUCTION OIL - BBL: GAS - MCF: WATER - BBL: NTERVAL STATUS. RATES: -	DATE FIRST PR	RODUCED:	TEST DA	TE:		HOURS TESTER	D:		OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: REST PRODUCTION OIL - BBL: GAS - MCF: WATER - BBL: INTERVAL STATUS AFTES:	CHOKE SIZE:	TBG. PRESS.	CSG. PRI	ESS. API GR	AVITY	BTU – GAS	GAS/OIL RATIO		N OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
RATES: A GAS - MCF: WATER - BBL: INTERVAL STATUS: RATES: A GAS - MCF: WATER - BBL: MCF: WATER - BBL: MCF: WATER - BBL: MCF: WATER - BBL: MCF: WATE						INT	ERVAL D (As show	wn in item #26)				
32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.) 33. SUMMARY OF POROUS ZONES (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cuclision used, time fool open, flowing and shut-in pressures and recoveries. Formation Top (MD) Bottom (MD) Descriptions, Contents, etc. Name (Measured Depth) 35. ADDITIONAL REMARKS (Include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT)	DATE FIRST PR	RODUCED:	TEST DA	TE:		HOURS TESTED	D:		OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
33. SUMMARY OF POROUS ZONES (include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in-pressures and recoveries. Formation Top (MD) Botton (MD) Descriptions, Contents, etc. Name Top (Measured Depth) 35. ADDITIONAL REMARKS (include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT)	CHOKE SIZE:	TBG. PRESS.	CSG. PRI	ESS. API GR	AVITY	BTU – GAS	GAS/OIL RATIO		N OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
Show all important zones of porosity and contents thereof: Cored intervals and all drill-istem tests, including depth interval tested. Formation Top (MD) Bottom (MD) Descriptions, Contents, etc. Name Top (Measured Depth) 35. ADDITIONAL REMARKS (Include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Name (PLEASE PRINT)	32. DISPOSITIO	ON OF GAS (Sol	d, Used for F	uel, Vented, Etc	:.)							
Formation Top (MD) Bottom (MD) Descriptions, Contents, etc. Name Top (Measured Depth) 35. ADDITIONAL REMARKS (Include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT)	Show all importa	ant zones of poros	sity and conte	nts thereof: Core			ı tests, including de		34. FORMATION	N (Log) MARKERS:		
35. ADDITIONAL REMARKS (include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT)			Тор	Bottom			itions Contents etc			Name		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) TITLE		···	(MD)	(MD)			mono, comomo, oto					(Measured Depth)
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) TITLE												
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) TITLE												
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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) TITLE												
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) TITLE	35. ADDITIONA	AL REMARKS (In	clude pluggi	na procedure)								
NAME (PLEASE PRINT)			F55									
NAME (PLEASE PRINT)												
	36. I hereby cer	rtify that the fore	egoing and a	ttached informa	ation is c	omplete and corre	ect as determined	from all available rec	ords.			
SIGNATURE DATE	NAME (PLEAS	SE PRINT)						TITLE				
	SIGNATURE _							DATE				

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

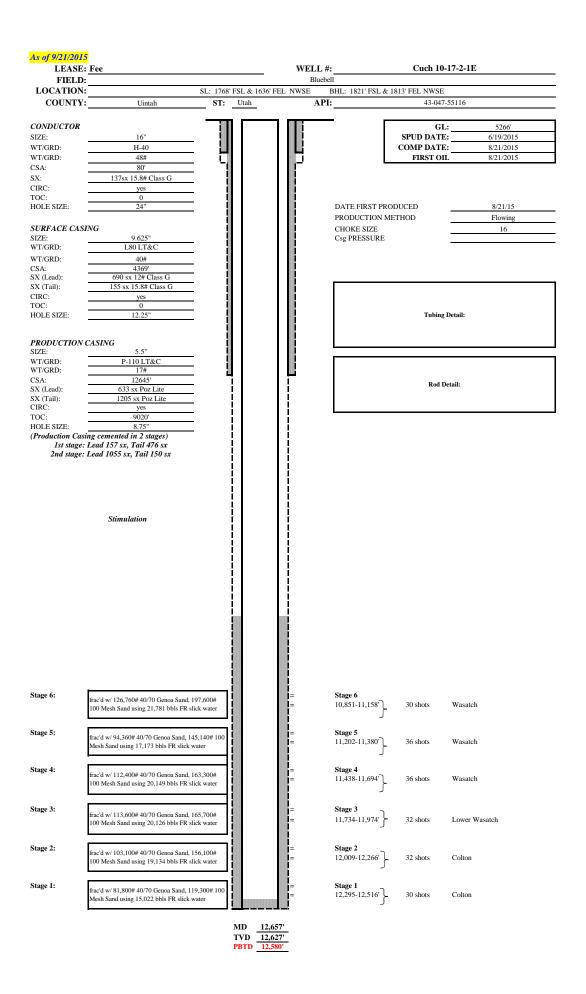
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

 $^{^{\}star}$ ITEM 20: Show the number of completions if production is measured separately from two or more formations.



Stage 3	Тор	Bottom	ft	holes		Stage 6	Тор	Bottom	ft	holes
	11,734	11,735	1	2			10851	10858	7	7
	11,752	11,753	1	2			10870	10877	7	7
	11,773	11,774	1	2			10924	10926	2	2
	11,789	11,790	1	2			10938	10940	2	2
	11,794	11,795	1	2			11008	11010	2	2
	11,815	11,816	1	2			11046	11048	2	2
	11,822	11,823	1	2			11085	11087	2	2
	11,833	11,834	1	2			11105	11107	2	2
	11,847	11,848	1	2			11130	11132	2	2
	11,853	11,854	1	2			11156	11158	2	2
	11,879	11,880	1	2					30	30
	11,887	11,888	1	2						
	11,921	11,922	1	2						
	11,948	11,949	1	2						
	11,968	11,969	1	2		Stage 5	Тор	Bottom	ft	holes
	11,974	11,975	1	2			11,202	11,204	2	4
			16	32			11,243	11,245	2	4
							11,284	11,286	2	4
Stage 2	Top	Bottom	ft	holes			11,306	11,308	2	4
	12,009 12,030	12,010 12,031	1	2			11,325 11,341	11,327 11,343	2	4
	12,030	12,031	1	2			11,341	11,345	2	4
	12,043	12,054	1	2			11,378	11,380	2	4
	12,066	12,067	1	2			11,412	11,414	2	4
	12,126	12,127	1	2			,	, :- :	18	36
	12,137	12,138	1	2						
	12,156	12,157	1	2						
	12,166	12,167	1	2		Stage 4	Тор	Bottom	ft	holes
	12,176	12,177	1	2			11,438	11,444	6	6
	12,195	12,196	1	2			11,480	11,483	3	3
	12,212	12,213	1 1	2			11,502	11,505	3	3
	12,225 12,245	12,226 12,246	1	2			11,526 11,549	11,529 11,552	3	3
	12,256	12,257	1	2			11,564	11,567	3	3
	12,266	12,267	1	2			11,578	11,581	3	3
	,		16	32			11,589	11,592	3	3
							11,625	11,628	3	3
Stage 1	Тор	Bottom	ft	holes			11,668	11,671	3	3
	12,295	12,298	3	3			11,691	11,694	3	3
	12,323	12,326	3	3		1			36	36
	12,346	12,349	3	3		L				
	12,384 12,417	12,387 12,426	3 9	3 9						
	12,417	12,426	3	3						
	12,481	12,484	3	3						
	12,513	12,516	3	3						
	,	,	30	30						
					l					



Job Number: UT 152201

Company: Badlands Energy-Utah Lease/Well: Cuch 10-17-2-1E

Location: Section 17,T2S,R1E

Rig Name: SST 8

RKB: 23

G.L. or M.S.L.: GL 5266.2

State/Country: Utah, USA

Declination: 10.77

Grid: True

File name: C:\WINSERVE\UT152201.SVY

Date/Time: 13-Jul-15 / 04:36

Curve Name: Cuch 10-17-2-1E As Drilled

Payzone Directional

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method Vertical Section Plane 282.99 Vertical Section Referenced to Wellhead Rectangular Coordinates Referenced to Wellhead

Measured	Incl	Drift	True			Vertical	CL	OSURE	Dogleg
Depth FT	Angle Deg	Direction Deg	Vertical Depth	N-S FT	E-W FT	Section FT	Distance FT	Direction Deg	Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
258.00	.22	133.55	258.00	34	.36	43	.50	133.55	.09
320.00	.18	339.36	320.00	33	.41	48	.53	128.95	.63
381.00	.88	50.36	381.00	.06	.74	71	.74	85.63	1.38
442.00	.83	15.12	441.99	.78	1.21	-1.01	1.44	57.22	.85
502.00	.88	62.10	501.98	1.42	1.73	-1.37	2.24	50.75	1.14
563.00	.97	48.48	562.98	1.98	2.53	-2.03	3.22	52.03	.39
625.00	1.04	39.17	624.97	2.76	3.28	-2.58	4.29	49.92	.29
686.00	.92	24.57	685.96	3.64	3.84	-2.92	5.29	46.53	.45
780.00	.92	37.88	779.95	4.92	4.61	-3.39	6.74	43.17	.23
875.00	.40	30.50	874.94	5.81	5.25	-3.81	7.83	42.12	.55
969.00	.48	32.60	968.94	6.42	5.63	-4.04	8.54	41.24	.09
1065.00	1.00	349.20	1064.93	7.58	5.69	-3.84	9.48	36.88	.76
1000.00	1.00	040.20	1004.30	7.50	5.03	-0.04	3.40	30.00	.70

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CL(Distance FT	OSURE Direction Deg	Dogleg Severity Deg/100
1160.00	1.10	344.75	1159.91	9.28	5.29	-3.07	10.68	29.71	.14
1255.00	.40	286.30	1254.91	10.25	4.74	-2.31	11.29	24.80	1.00
1350.00	.70	320.40	1349.90	10.79	4.05	-1.52	11.52	20.56	.45
1445.00	.90	310.40	1444.89	11.72	3.11	39	12.13	14.86	.26
1541.00	1.40	293.70	1540.87	12.68	1.46	1.43	12.76	6.57	.62
1636.00	1.80	273.90	1635.84	13.25	-1.09	4.04	13.29	355.30	.71
1731.00	3.60	278.79	1730.73	13.81	-5.53	8.49	14.87	338.18	1.91
1826.00	3.96	281.17	1825.52	14.90	-11.69	14.74	18.94	321.87	.41
1921.00	4.30	277.74	1920.27	16.01	-18.44	21.57	24.42	310.97	.44
2017.00	4.35	277.30	2016.00	16.96	-25.62	28.77	30.72	303.51	.06
2017.00	4.00	217.00	2010.00	10.00	20.02	20.77	00.72	000.01	.00
0110.00	0.00	000.00	0110.77	10.00	20.10	05.40	00.00	000 00	70
2112.00	3.69	282.09	2110.77	18.06	-32.18	35.42	36.90	299.30	.78
2207.00	2.59	297.69	2205.62	19.70	-37.07	40.55	41.98	297.98	1.46
2302.00	2.94	296.94	2300.51	21.80	-41.14	44.99	46.56	297.91	.37
2397.00	1.90	287.00	2395.43	23.36	-44.82	48.92	50.54	297.53	1.18
2493.00	1.93	284.73	2491.37	24.24	-47.91	52.13	53.69	296.84	.08
2588.00	2.46	275.45	2586.30	24.84	-51.48	55.75	57.16	295.75	.67
2682.00	2.42	283.19	2680.22	25.48	-55.42	59.73	61.00	294.69	.35
2777.00	3.47	289.12	2775.09	26.88	-60.09	64.60	65.83	294.10	1.15
2872.00	3.90	288.20	2869.90	28.83	-65.88	70.67	71.91	293.64	.46
2967.00	3.52	268.82	2964.70	29.78	-71.86	76.72	77.79	292.51	1.37
3061.00	3.76	266.73	3058.51	29.55	-77.83	82.48	83.25	290.79	.29
3157.00	2.99	280.55	3154.34	29.82	-83.43	88.00	88.60	289.67	1.16
3252.00	2.77	277.87	3249.22	30.59	-88.14	92.76	93.30	289.14	.27
3347.00	3.25	270.71	3344.09	30.94	-93.11	97.68	98.11	288.38	.64
3442.00	4.00	278.57	3438.90	31.47	-99.08	103.61	103.95	287.62	.95
3442.00	4.00	270.57	3430.30	31.47	-33.00	103.01	100.95	207.02	.90
0500.00	0.07	070.40	0504.00	00.01	105.01	440.47	110.44	007.01	00
3538.00	3.87	276.16	3534.68	32.31	-105.61	110.17	110.44	287.01	.22
3633.00	3.30	277.61	3629.49	33.02	-111.50	116.07	116.29	286.50	.61
3728.00	2.94	277.03	3724.35	33.68	-116.63	121.22	121.40	286.11	.38
3823.00	2.72	289.46	3819.23	34.73	-121.18	125.88	126.05	285.99	.68
3918.00	2.90	302.17	3914.12	36.76	-125.34	130.39	130.62	286.35	.68
4014.00	2.99	306.39	4009.99	39.54	-129.41	134.98	135.31	286.99	.24
4109.00	3.25	291.67	4104.86	42.00	-133.90	139.92	140.34	287.42	.88
4204.00	2.20	283.32	4199.75	43.42	-138.18	144.40	144.84	287.44	1.18
4299.00	2.59	279.01	4294.66	44.17	-142.08	148.37	148.78	287.27	.45

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLO Distance FT	O S U R E Direction Deg	Dogleg Severity Deg/100
Last Surface	Survey								
4395.00	2.81	270.66	4390.56	44.54	-146.57	152.83	153.19	286.90	.47
4497.00	3.80	264.50	4492.39	44.25	-152.44	158.48	158.73	286.19	1.03
4592.00	2.90	283.30	4587.23	44.50	-157.91	163.87	164.06	285.74	1.48
4687.00	2.80	283.90	4682.11	45.61	-162.50	168.59	168.78	285.68	.11
4781.00	2.50	275.80	4776.01	46.37	-166.77	172.92	173.09	285.54	.51
4876.00	3.40	291.10	4870.88	47.59	-171.46	177.77	177.94	285.51	1.25
4971.00	3.60	292.10	4965.71	49.73	-176.85	183.50	183.71	285.70	.22
5066.00	3.40	290.70	5060.53	51.84	-182.25	189.24	189.48	285.88	.23
5160.00	3.10	286.40	5154.38	53.55	-187.29	194.54	194.80	285.96	.41
5255.00	3.00	283.90	5249.24	54.87	-192.17	199.59	199.85	285.94	.18
5350.00	2.90	280.60	5344.12	55.91	-196.95	204.47	204.73	285.85	.21
5445.00	2.80	278.40	5439.00	56.69	-201.60	209.19	209.42	285.71	.16
5540.00	2.10	296.90	5533.91	57.82	-205.45	213.19	213.43	285.72	1.10
5595.00	1.30	319.00	5588.89	58.74	-206.76	214.67	214.94	285.86	1.86
5729.00	1.00	314.90	5722.86	60.71	-208.58	216.89	217.24	286.23	.23
5824.00	.80	331.90	5817.85	61.89	-209.48	218.03	218.43	286.46	.35
5919.00	.60	338.10	5912.84	62.93	-209.98	218.75	219.21	286.68	.22
6014.00	.30	336.00	6007.84	63.62	-210.27	219.19	219.68	286.83	.32
6108.00	.00	341.50	6101.84	63.85	-210.37	219.34	219.84	286.88	.32
6203.00	.20	107.30	6196.84	63.80	-210.21	219.17	219.68	286.88	.21
6298.00	.40	109.90	6291.84	63.63	-209.74	218.68	219.18	286.88	.21
6393.00	.80	116.70	6386.83	63.22	-208.84	217.70	218.20	286.84	.43
6488.00	1.10	134.30	6481.82	62.29	-207.59	216.28	216.73	286.70	.44
6524.00	1.20	138.20	6517.81	61.77	-207.09	215.68	216.11	286.61	.35
6582.00	.70	139.30	6575.81	61.04	-206.46	214.90	215.29	286.47	.86
6677.00	.50	183.00	6670.80	60.19	-206.10	214.36	214.71	286.28	.51
6772.00	.80	177.40	6765.79	59.11	-206.09	214.11	214.40	286.00	.32
6868.00	1.10	186.00	6861.78	57.53	-206.16	213.81	214.03	285.59	.35
6963.00	1.20	190.00	6956.76	55.64	-206.43	213.65	213.79	285.09	.13
7058.00	1.00	252.70	7051.75	54.42	-207.39	214.31	214.41	284.70	1.22
7153.00	1.00	233.80	7146.73	53.68	-208.85	215.57	215.64	284.41	.35
7248.00	.30	312.30	7241.73	53.36	-209.70	216.33	216.39	284.28	1.04
7344.00	.40	312.40	7337.73	53.75	-210.14	216.84	216.90	284.35	.10

Page 3
Cuch 10-17-2-1E As Drilled File: C:\WINSERVE\UT152201.SVY

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CL(Distance FT	OSURE Direction Deg	Dogleg Severity Deg/100
7439.00	.10	336.30	7432.73	54.05	-210.41	217.18	217.25	284.41	.33
7534.00	.10	175.50	7527.72	54.04	-210.44	217.20	217.27	284.40	.21
7629.00	.20	195.00	7622.72	53.80	-210.48	217.19	217.25	284.34	.12
7725.00	.10	211.80	7718.72	53.57	-210.57	217.22	217.27	284.27	.11
7820.00	.50	42.10	7813.72	53.81	-210.33	217.04	217.10	284.35	.63
7915.00	.60	47.30	7908.72	54.45	-209.69	216.56	216.64	284.56	.12
8011.00	.70	26.70	8004.71	55.32	-209.06	216.14	216.25	284.82	.26
8106.00	1.10	32.07	8099.70	56.61	-208.31	215.70	215.86	285.20	.43
8201.00	1.00	62.80	8194.69	57.76	-207.09	214.77	214.99	285.58	.59
8296.00	1.30	85.00	8289.67	58.23	-205.28	213.11	213.38	285.84	.56
8391.00	.50	152.20	8384.66	57.96	-204.01	211.82	212.08	285.86	1.26
8487.00	.30	63.20	8480.65	57.70	-203.59	211.35	211.61	285.82	.60
8582.00	.40	87.40	8575.65	57.83	-203.04	210.84	211.11	285.90	.19
8678.00	.20	88.70	8671.65	57.85	-202.54	210.36	210.63	285.94	.21
8773.00	.70	218.20	8766.65	57.40	-202.73	210.44	210.70	285.81	.89
8868.00	.60	200.10	8861.64	56.47	-203.26	210.75	210.96	285.53	.24
8963.00	.20	331.10	8956.64	56.15	-203.51	210.92	211.11	285.42	.79
9058.00	1.00	55.60	9051.64	56.76	-202.91	210.47	210.70	285.63	1.05
9153.00	1.10	68.40	9146.62	57.57	-201.37	209.16	209.44	285.95	.27
9248.00	.90	66.10	9241.61	58.21	-199.84	207.81	208.15	286.24	.21
9344.00	1.00	79.90	9337.59	58.66	-198.33	206.44	206.82	286.48	.26
9439.00	.90	66.70	9432.58	59.10	-196.83	205.08	205.51	286.71	.25
9534.00	.70	27.00	9527.57	59.91	-195.88	204.33	204.84	287.01	.61
9629.00	.20	104.60	9622.57	60.39	-195.46	204.03	204.57	287.17	.72
9725.00	.40	99.60	9718.57	60.29	-194.96	203.53	204.07	287.18	.21
9820.00	40	102.20	9813.57	60.16	-194.31	202.26	202.41	287.20	02
9915.00	.40 .64	103.30 58.89	9908.56	60.16 60.35	-193.54	202.86 202.15	203.41 202.73	287.32	.03
	.64 .40	67.11		60.76	-193.5 4 -192.77		202.73 202.12	287.50	.48 .26
10011.00			10004.56			201.49			
10106.00	.20	82.60	10099.56	60.91	-192.30	201.07	201.72	287.58	.23
10201.00	.30	85.90	10194.56	60.95	-191.89	200.68	201.33	287.62	.11
10296.00	.40	48.30	10289.55	61.19	-191.39	200.25	200.93	287.73	.26
10391.00	.40	71.30	10384.55	61.52	-190.83	199.77	200.50	287.87	.17
10486.00	.40	69.70	10479.55	61.74	-190.20	199.21	199.97	287.98	.01
10581.00	.30	75.50	10574.55	61.91	-189.65	198.72	199.50	288.08	.11

Measured	Incl	Drift	True			Vertical	CLO	OSURE	Dogleg
Depth	Angle	Direction	Vertical	N-S	E-W	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth	FT	FT	FT	FT	Deg	Deg/100
10677.00	.50	90.30	10670.55	61.98	-188.99	198.08	198.89	288.16	.23
10772.00	.51	115.91	10765.54	61.79	-188.20	197.27	198.08	288.18	.24
10867.00	.53	133.97	10860.54	61.30	-187.50	196.48	197.26	288.10	.17
10962.00	.57	120.39	10955.53	60.75	-186.77	195.65	196.41	288.02	.14
11057.00	.46	130.10	11050.53	60.27	-186.08	194.86	195.59	287.95	.15
11153.00	.40	139.90	11146.53	59.77	-185.56	194.25	194.95	287.85	.10
11248.00	.30	104.00	11241.53	59.45	-185.11	193.74	194.42	287.81	.25
11343.00	.33	106.97	11336.52	59.31	-184.61	193.21	193.90	287.81	.04
11438.00	.40	106.90	11431.52	59.14	-184.03	192.61	193.30	287.81	.07
11533.00	.40	128.20	11526.52	58.83	-183.45	191.98	192.65	287.78	.16
11629.00	.60	148.20	11622.52	58.20	-182.92	191.32	191.96	287.65	.27
11724.00	.66	142.06	11717.51	57.35	-182.32	190.55	191.13	287.46	.09
11819.00	.59	128.90	11812.50	56.61	-181.61	189.68	190.22	287.31	.17
11914.00	.66	135.60	11907.50	55.91	-180.84	188.78	189.29	287.18	.11
12010.00	.86	131.05	12003.49	55.04	-179.91	187.68	188.14	287.01	.22
12105.00	1.08	124.48	12098.48	54.07	-178.64	186.22	186.64	286.84	.26
12200.00	1.25	114.50	12193.46	53.13	-176.96	184.37	184.76	286.71	.28



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well No					Prospect/Field				Date	
		CUCH 10-1	7-2-1E								19 Jur	
мD 75'		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
County/Parish		75'		State	13,300'		\$13,690	Drilling Supervisor	\$13,690		AFE Days (CWC)	
Uintah				Utah	Pete Mart	in		JESSE DUN	CAN/SCOT	T ALLRED	15 E)avs
Present Operation						···		<u> </u>	,		AFE No.	
	nductor, ra	t and mous	e hole								140)29
From	e Log To	Hrs										
6:00	18:00	12:00	6/3/15 DENV	ER FOR SPUD	MEETIN							
6:00	18:00	12:00		ER FOR SPUD								
6:00	18:00	12:00	6/5/15 WOR	K ON CONTAC	CTING SUBS							
6:00	18:00	12:00	6/8/15 DRIVE	TO NEW LO	CATION TALK	TO JESSE, CAI	LL TREVOR AN	ND CALL CONT	ACTOR			
6:00	18:00	12:00	6/10/2015 D	RIVE TO NEW	LOCATION TA	ALK TO JESSE,	CALL TREVO	R AND CALL C	ONTRACTOR			
6:00	18:00	12:00						R AND CALL C				
6:00	18:00	12:00						R AND CALL C				
6:00	18:00	12:00						to 16' cobble	rock keep fall	ing in, filled h	ole with 12#	drlg mud drlg
6:00	20:00	14:00	6/20/2015 D	RIVE T LOC. F	INISH DRILLIN	IG CONDUCTO	OR AND MOU	SE HOLE				
		0:00										
		0:00										
		0:00										
		0:00										
		0:00										
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		0:00										
		0:00										
		0:00										
		0:00										
TC	TAL HOURS:	14:00										
MW	VISC	PV	YP	GE INITIAL	ELS 10 MIN	FLUID API	LOSS HPHT	SOLIDS %	WATER %	OIL %	0/W %	SAND %
				INITIAL	10 IVIIIV	Ari	111111	70	70	70	70	70
CAKE	PH	PM	PF	MF	CL	ES	ECD	LCM	Daily M	ud Cost	Cumu	lative
BIT REPORT	1	1	1		1	1		1			1	
BIT#	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	OUT	FOOTAGE	HOURS	WOB	RPM	ROP
DII #	SIZE	IVIGF	ITPE	NOWIBER	JEIS	DEFININ	001	FOOTAGE	HOUKS	WOB	KFIVI	NOP
BIT CONDITION	ON	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARING	SS / SEALS	GAGE	OTHER	REASON	PULLED
PUMP REPO	RT		LINER				ANNI II AF	RVELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DC	DP	DC OD	DP OD	HOLE	
	LE ASSEMBLY											
TOTAL LENGTH		BHA DESCRIPTION	ON									
MUD MOTOR H	OURS	HOURS ON JARS	5		E	OP MAKE & TYP	PE			BOP TEST DAT	E & PRESSURE	
C	ASING RECOR	RD	TOTAL DRILL	GAS		TOUR CHECK		DEV	IATION RECO	ORD	KILL	RATE
		PTH	GAS	UNITS	DEPTH		Ft.	DEPTH	INCL	AZ	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BGG		TORQUE		FT/LBS				SPM	PSI
			CG		PICK UP		M#					
			STG		ROT WT SLACK OFF		M# M#				RIG PHO	ONE NO
	I	I	TG		SLACK OFF	I	171#				KIG PHO	/NE NU.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well No).				Prospect/Field				Date	
LO	C 2	CUCH 10-1	17-2-1E								20 Jur	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
80'		80'		State	10,000'		\$1,745	la un a	\$15,435		AFE Days (CWC)	
County/Parish Uintah				Utah	Rig			SCOTT ALI			20 D	Ανς
Present Operation				Otan				JCOTT ALI	INLU		AFE No.	7,13
											140	029
Time											•	
6:00	To 18:00	Hrs 12:00	CLEAN OUT TO 8	O' MAVE LID	CONDUCTOR	DIDE AND LAR	ID DIDE DIG I	ID AND DUN	CENTENT/DIIN/	IDED EVDS / I	DITLED DIDE/	
18:00	23:00	5:00	RUN IN DRILL OF							-	OLLED FIFL)	
23:00	0:00	1:00	KON IN BRIEF OF	OT CEIVIEIVI	IND CLEANING C	or mole, nor	VIII WIIII COI	TED CTOILTI	L CLIVILIVI I II	<u> </u>		
0:00	0:00	0:00										
0:00	0:00	0:00										
0:00	0:00	0:00										
0:00	0:00	0:00										
		0:00										
		0:00										
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		0:00										
		0:00										
		0:00										
		0:00										
		0:00			1	1						
		0:00		PROGNOSIS	ACTUAL	TVD ACTUAL						
		0:00										
		0:00										
		0:00										
		0:00										
TO	TAL HOURS:	18:00	TD	10,005	1							
MUD REPOR	T											
B.4147	1416	DV/	VD.		ELS		D LOSS	SOLIDS	WATER	DAP	O/W	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily N	lud Cost	Cumu	lative
BIT#				T				ı	1			ı
BIT#	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	0.22		2		52.10	52	Ditti Elitoy G G I	1001/102	1017121100110		,c.c.	
2												
3												
BIT CONDITION	ON	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARING	SS / SEALS	GAGE	OTHER	REASON	PULLED
		<u></u>		<u></u>			<u></u>		<u> </u>	<u> </u>		
PUMP REPOR	RT											
1			LINER					VELOCITY		ı		
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1				0	0				6 1/2"	4 1/2"		
2		1		0	0				1			
			TOTAL	0	^							
ΒΗΔ ΤΩΤΑΙ Ι	FNGTH	RHA DESCRI	TOTAL	0	0							
BHA TOTAL L	.ENGTH	BHA DESCRI		0	0							
BHA TOTAL L	ENGTH	BHA DESCRI		0	0							
BHA TOTAL L	.ENGTH	BHA DESCRI				BOP MAKE & TYI					DATE & PRESSURI	
			PTION	11" SHAFFE		OBL GATE & 11	" SHAFFER 5,00		18 Ju	2014	5,00	0 PSI
	ASING RECO	RD	PTION TOTAL DRILL GA	11" SHAFFE	R LWS 5,000# [" SHAFFER 5,00	DE	18 Ju	2014 DRD	5,00 SPR/KIL	O PSI L RATE
CA	ASING RECOI	RD PTH	PTION TOTAL DRILL GA GAS	11" SHAFFE	R LWS 5,000# E	OBL GATE & 11	SHAFFER 5,00		18 Ju	2014	5,00 SPR/KII PUMP 1	L RATE PUMP 2
C/ SIZE	ASING RECOI DE PROPOSED	RD PTH ACTUAL	TOTAL DRILL GA GAS BACKGROUND	11" SHAFFE	R LWS 5,000# E DEPTH PICK UP	OBL GATE & 11	SHAFFER 5,00 Ft. K	DE	18 Ju	2014 DRD	5,00 SPR/KIL	O PSI L RATE
SIZE 8 5/8	ASING RECOI DE PROPOSED 3,000'	RD PTH	TOTAL DRILL GA GAS BACKGROUND PEAK GAS	11" SHAFFE	R LWS 5,000# E DEPTH PICK UP SLACK OFF	OBL GATE & 11	SHAFFER 5,00 Ft. K	DE	18 Ju	2014 DRD	5,00 SPR/KII PUMP 1	L RATE PUMP 2
C/ SIZE	ASING RECOI DE PROPOSED	RD PTH ACTUAL	TOTAL DRILL GA GAS BACKGROUND	11" SHAFFE	R LWS 5,000# E DEPTH PICK UP	OBL GATE & 11	SHAFFER 5,00 Ft. K	DE	18 Ju	2014 DRD	5,00 SPR/KII PUMP 1	PUMP 2 SPM/PSI



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

12,700	21 Jun 2015 E DHC AFE CWC 83,220 \$4,564,590 S (CWC) 20 DAYS 14029
80	\$3,220 \$4,564,590 s (CWC) 20 DAYS
Descriptions Desc	20 DAYS
Uitah	20 DAYS
Mark	
Time Log Time Tim	14029
From	
6:00 18:00 0 12:00 ORLL MOUSE HOLE AND SET CELLER RING CLEAN UP LOCATION 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0:	
0.00	
C-000	
0.00	
COOD	
0.00	
0.00	
0.00	
0.00 0.00	
0:00	
0:00 0:00	
0:00 0:00	
0:00 0:00	
0:00 0:00	
0.00 0.00	
0.00	
0:00	
0:00	
0:00	
0:00	
0:00	
0:00	
TOTAL HOURS: 12:00 TD	
MUD REPORT GELS FLUID LOSS SOLIDS WATER DAP	
MW VIS PV YP INITIAL 10 MIN API HPHT % % PPB	
MW)/W SAND
CAKE PH PM PF MF CL HARDNESS ECD LCM Daily Mud Cost BIT # BIT # SIZE MGF TYPE SERIAL NUMBER JETS DEPTH IN DAY END/OUT FOOTAGE TOTAL HOURS WOB RPM 1	% %
BIT # SIZE MGF TYPE NUMBER JETS DEPTH IN DAY END/OUT FOOTAGE TOTAL HOURS WOB RPM	
BIT # SIZE MGF TYPE NUMBER JETS DEPTH IN DAY END/OUT FOOTAGE TOTAL HOURS WOB RPM 1	Cumulative
BIT # SIZE MGF TYPE NUMBER JETS DEPTH IN DAY END/OUT FOOTAGE TOTAL HOURS WOB RPM 1	
BIT # SIZE MGF TYPE NUMBER JETS DEPTH IN DAY END/OUT FOOTAGE TOTAL HOURS WOB RPM	
2	MOTOR ROP
3 BIT CONDITION INNER ROWS OUTER ROWS DULL CHAR. LOCATION BEARINGS / SEALS GAGE OTHER	
BIT CONDITION	
PUMP REPORT LINER	
LINER ANNULAR VELOCITY	REASON PULLED
LINER ANNULAR VELOCITY	
PUMP# MODEL SIZE SPM GPM PRESSURE DP DC DC OD DP OD I 1 0 0 0 61/2" 41/2" 2 0 0 0 0 0 TOTAL 0 </td <td></td>	
1 0 0 0 61/2" 41/2" 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OLE
2 0 0 0 TOTAL 0 0	
TOTAL 0 0	
i i	
BOP MAKE & TYPE	PRESSURE 5,000 PSI
CASING RECORD TOTAL DRILL GAS TOUR CHECK DEVIATION RECORD	SPR/KILL RATE
	JEN/KILL KATE
	MP1 PUMP 2
8 5/8 3,000' 3006 GL PEAK GAS SLACK OFF K	
4 1/2 12,698' CONN GAS ROTATING K	MP1 PUMP 2
	MP1 PUMP 2
FUEL USED 0 GALS FLARE SCF'S	MP1 PUMP 2



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

	INDO LINE						D				D-1-	
Days from Spud	M1	CUCH 10-1					Prospect/Field				Date 22 lur	n 2015
MD	VI I	TVD	7-Z-1E	Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
80'		80'			12,700'		\$27,180		\$44,360		1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			SCOTT ALL			AFE Days (CWC)	AYS
Present Operation DRILL MOU											AFE No. 14(029
Time	e Log											
From	To	12.00	CAFETY NAFETING	C CET NAATC	MALID TANKS	THE DACK VA	DD CET CLIDS	DRAMMOR	VC			
6:00 18:00	18:00 6:00	12:00	SAFETY MEETING WAIT ON DAYLIG		MUD TANKS,	THE BACK YA	KD, 3ET 30B3,	, DRAWWORI	(5.			
6:00	0:00	###########	WAIT ON DATEIC	,,,,,								
0:00	0:00	0:00										
0:00	0:00	0:00										
0:00	0:00	0:00										
0:00	0:00	0:00										
		0:00										
		0:00										
		0:00										
		0:00										
	1	0:00										
		0:00	11 HAUL TRUCK/	/2 POLE TRUC	CKS/2FORK LIF	TS/1 BED TRI	JCK/1 SAFETY	MAN/2 TRUC	CK PUSHERS/1	CRANE 12:0	0 TO 7:00 3 M	EN/
		0:00	2 SWAMPER/									
		0:00										
		0:00										
		0:00										
		0:00										
		0:00										
		0:00										
		0:00		ppochosis	4071141	TI/D ACTUAL						
		0:00		PROGNOSIS	ACTUAL	TVD ACTUAL						
		0:00										
		0:00										
		0:00			1							
		0:00										
	TAL HOURS:	###########	TD									
MUD REPOR	RT			-	ELS	ELLIII	LOSS	SOLIDS	WATER	DAP	O/W	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	% %
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M	lud Cost	Cumu	ilative
BIT#												
DII #				SERIAL			1	TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP
1												
2												
3												
BIT CONDITION	UN	INNER ROWS	OUTER ROWS	DULL	. CHAR.	LOCATION	BEARING	SS / SEALS	GAGE	OTHER	REASON	PULLED
DUMED DEDO	DT											
PUMP REPO	KI		LINER				ANNULAR	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP ANNULAR	DC	DC OD	DP OD	HOLE	
1		IIIODEL	JILL	0	0	i nessone	J.	50	6 1/2"	4 1/2"	HOLL	
2				0	0				,-	-,-	†	
=			TOTAL	0	0					1	1	1
BHA TOTAL I	LENGTH	BHA DESCRI	PTION									
-												
						DOD 144 1/2 0 = 1	NF.			LACT DC - TTC	DATE O FERRO	
				11" SHAFFF	R LWS 5,000# D	BOP MAKE & TYPE DBL GATE & 11'		O# ANNUI AR		LAST BOP TEST I	DATE & PRESSURE 5,00	
C	ASING RECOF	RD	TOTAL DRILL GA			TOUR CHECK			VIATION RECO		SPR/KIL	
		PTH	ĜAŜ	UNITS	ΒΕΡ Τ Η		Fŧ.	DEPTH	INĈ	Ā₹	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND		PICK UP		К				SPM/PSI	SPM/PSI
8 5/8	3,000'	3006 GL	PEAK GAS		SLACK OFF		K					
4 1/2	12 (00)		CONN GAS		ROTATING		ĸ					
, -	12,698'		CONN GAS		KOTATING							
FUEL USED	0	GALS	TRIP GAS FLARE SCF's		TORQUE		K				CO-MAN P 435-82	



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N					Prospect/Field				Date		
RU 1 CUCH 10-							SOUTH AL	TAMONT	23 Jun 2015				
MD	<u>, , , , , , , , , , , , , , , , , , , </u>	TVD	1, L 1L	Progress	Planned TD		Daily Cost	- AMONT	Cumulative Cost		AFE DHC	AFE CWC	
80'		80'			12,700'		\$20,445		\$64,805		1,383,220	\$4,564,590	
County/Parish				State	Rig			Drilling Supervisor			AFE Days (CWC)		
Uintah				Utah	SST 8			SCOTT ALI	.RED		20 D	AYS	
Present Operation											AFE No.	120	
DRILL MO	e Log	1									140	129	
From	То	Hrs											
6:00	18:00	12:00	SAFETY MEETING	G, FINISH MU	D TANKS/ SET	GAS BUSTER	/HOOK UP PL	JMP AND ELE	C. LINES/ SET	DERRICK ON	THE FLOOR		
18:00	6:00	12:00	WAIT ON DAYLIC	GHT									
6:00	0:00	6:00											
0:00	0:00	0:00											
0:00	0:00	0:00											
0:00	0:00	0:00											
0:00	0:00	0:00											
		0:00											
		0:00											
		0:00											
		0:00	4 HAUL TRUCK/2	2 POLF TRUCK	S/2FORK LIFT	S/1 BFD TRU	CK/1 SAFFTY I	MAN/1 TRUC	CPUSHERS/1	CRANE 06:00	TO 7:00 3 MF	N/	
		0:00	ATTAGE TROCK/	OLL INOCK	ON LIFT	5/ 1 DED 11101	5.4 ± 3M L I I I		5511113/1	U. 11 11 L UU.UU		••/	
		0:00	1										
		0:00											
		0:00											
	İ	0:00											
		0:00											
		0:00											
		0:00											
		0:00											
		0:00											
		0:00		PROGNOSIS	ACTUAL	TVD ACTUAL							
		0:00											
		0:00											
		0:00											
		0:00											
		0:00											
MUD REPOR	OTAL HOURS:	6:00	TD					_	_	_	_		
WOD KEI OK			T T	G	ELS	FLUII	LOSS	SOLIDS	WATER	DAP	O/W	SAND	
MW	VIS	PV	YP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%	
2011					-	**********	505	1.00.0	5 11 21	10 .			
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily IV	lud Cost	Cumu	lative	
BIT#													
<u> </u>				SERIAL		I	I	TOTAL	Ī .		Ī .		
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP	
1													
2													
3													
BIT CONDITI	ON	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARING	SS / SEALS	GAGE	OTHER	REASON	PULLED	
PUMP REPO	RT												
			LINER		1	ı		RVELOCITY					
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE		
1			-	0	0				6 1/2"	4 1/2"			
2	1	-		0	0								
DUA TOTAL	ENCT	BHY DECCE	TOTAL	0	0								
BHA TOTAL	LENGIH	BHA DESCR	IPTION										
			ROD MANE O				YPE LAST BO				P TEST DATE & PRESSURE		
				11" SHAFFE	BOP MAKE & TYP "R LWS 5,000# DBL GATE & 11"						5,000 PSI		
C	ASING RECOF	RD	TOTAL DRILL GA	S		TOUR CHECK		DE'	VIATION RECO	ORD	SPR/KIL	L RATE	
	DE	PTH	ĜÅŜ	UNITS	DEPTH		Fŧ.	ΒΕΡ Τ Η	INĈ	Å₹	PUMP 1	PUMP 2	
SIZE	PROPOSED	ACTUAL	BACKGROUND		PICK UP		K				SPM/PSI	SPM/PSI	
8 5/8	3,000'	3006 GL	PEAK GAS		SLACK OFF		K						
4 1/2	12,698'		CONN GAS		ROTATING		K						
			TRIP GAS		TORQUE		K				CO-MAN P		
FUEL USED	0	GALS	FLARE SCF's								435-82	8-0601	



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

		CUCH 10-					Prospect/Field SOUTH ALTAMONT				24 Jun 2015		
MD		TVD		Progress	Planned TD		Daily Cost	IAMONI	Cumulative Cost		AFE DHC	AFE CWC	
80'		80'		Charles	12,700'		\$20,445	Datting C	\$64,805		1,383,220	\$4,564,590	
County/Parish Uintah				State Utah	SST 8			SCOTT ALL			AFE Days (CWC)	ΔΥς	
Present Operation				J 56011	122.0			ISSS. ALL			AFE No.		
DRILL MO		ı	<u> </u>								140	29	
From	e Log To	Hrs											
6:00			SAFETY MEETING	G/SET UP RIG	HTS/RIG UP F	LARE LINES/G	AS BUSTER/S	ET CLOSED LO	OOP SYSTEM/:	L4:00 DERRIC	K IN THE AIR/	FILL MUD TAI	
			CHECK ALL GATE	VALVES/ MU	JD LINES/ STA	RT PULLING L	INE FOR DERF	RICK SET UP/	SET IN TOP DE	RIVE			
	17:00	11.0	16:45 RIG UP AL									-	
17:00	6:00	13.0	BREAK TOUR / N	IGHT CREW V	WORKED ON F	RIGGING UP							
			1500K HETS/1 D	ED TRUCK/1	CAFETY NAANI	1 TRUCK BUG	HERE/1 CRAN	IF 06:00 TO 1:	1:00 2 84581/				
			1FORK LIFTS/1 B	ED INUCK/I	SAFETT WANY	1 IRUCK PUS	HERS/I CRAIN	12 00.00 10 1	1.00 3 IVIEIN/				
				PROGNOSIS	ACTUAL	TVD ACTUAL							
TC	TAL HOURS:	24.0	TD										
MUD REPOR	T												
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	SOLIDS %	WATER %	DAP PPB	0/W %	SAND %	
10100	VIS	1.4		INTIAL	TOWN	AFI	111111	76	76	770	76	70	
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M	ud Cost	Cumu	lative	
BIT#													
DII#				SERIAL				TOTAL					
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP	
1													
2													
3 BIT CONDITION	ON	INNER ROWS	OUTER ROWS	DIIII	CHAR.	LOCATION	READING	SS / SEALS	GAGE	OTHER	REASON	DIIIIED	
DIT CONDITI	014	INNER ROWS	OUTER ROWS	DOLL	CHAN.	LOCATION	BEAKING	IS / SEALS	GAGE	OTHER	REASON	POLLED	
PUMP REPO	RT												
			LINER				ANNULAR	RVELOCITY					
PUMP #		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE		
1				0	0				6 1/2"	4 1/2"			
2				0	0								
DUA TOTAL		DUIA DESC	TOTAL	0	0								
BHA TOTAL I	LENGTH	BHA DESCRI	PTION										
						BOP MAKE & TY	TYPE LAST BC				DATE & PRESSURE		
					R LWS 5,000# [BL GATE & 11'	SHAFFER 5,00		18 Ju	2014	5,00) PSI	
C	ASING RECOR		TOTAL DRILL GA		DEDT	TOUR CHECK			VIATION RECO		SPR/KIL		
		PTH	ĜAŜ	UNITS	DEPTH		Fŧ.	DEP₹H	INĈ	A₹	PUMP 1	PUMP 2	
SIZE 8 5/8	PROPOSED 3,000'	ACTUAL 3006 GL	BACKGROUND PEAK GAS		PICK UP SLACK OFF		K K				SPM/PSI	SPM/PSI	
8 5/8 4 1/2	12,698'	3000 GL	CONN GAS		ROTATING		K						
71/4	12,030		TRIP GAS		TORQUE		K				CO-MAN P	HONF NO	
FUEL USED	0	GALS	FLARE SCF's				1				435-82		
						1						*	



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud Leas		Lease and Well N	0.				Prospect/Field Date						
SURF 1 CUCH 10-			17-2-1E				SOUTH AL	TAMONT		25 Jun 2015			
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC	
165'	<u> </u>	165'		85'	12,700'		\$32,240	T	\$117,670		1,383,220	\$4,564,590	
County/Parish Uintah				State Utah	SST 8			SCOTT ALI			AFE Days (CWC)	AYS	
Present Operation	n			Otali	331 6			SCOTT ALI	.NED		AFE No.	AIS	
	SURFACE @	80' TO 16	5'= 85'									029	
	ne Log												
6:00	то 2:30	Hrs 20.5	RIG UP AND RUI	LELADELINE	/ DIC LID CLO	CE LOOD CVCT	TNA/ DIC LID T	TUCCEDS/DU		IVE / CHANCE	OUT WASH D		
0.00	2.30	20.3	HANG SPINNERS										
2:30	4:30	2.0	PICK UP MWD T				JI OWN J WITH	ITO LINENS/	HOOK OF TEO	VV IVIII I EE AIV	DIOIAIIIO	IILAUJ	
4:30	6:00	1.5	DRILL 12 1/4 SU	-		1. 300/							
			,										
	1												
	1												
				PROGNOSIS	ACTUAL	TVD ACTUAL							
			GREEN RIVER	5,455'									
			MGMK MARKER	8,495'									
			WASATCH	9,693'									
			LOWER WASATCH	11,637'									
т.	 OTAL HOURS:	24.0	FLAGSTAFF	12,605'									
MUD REPOR		24.0	TD	12,700'									
				G	ELS	FLUIC	LOSS	SOLIDS	WATER	DAP	O/W	SAND	
MW	VIS	PV	YP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%	
8.4 CAKE	27 PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M	ud Cost	Cumu	lativo	
CARL	FII	FIVI	FF	IVII	CL	HARDNESS	LCD	ECIVI	\$3,9		\$3,9		
BIT#	<u> </u>			<u> </u>				<u> </u>	1 7-7-				
				SERIAL				TOTAL					
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP	
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	165'	85'	1.5	5/15	45/75	110.0 FPH	
2					-								
3 BIT CONDITI	ION	INNER ROWS	OUTER ROWS	DILL	CHAR.	LOCATION	READING	is / SEALS	GAGE	OTHER	DEACON	PULLED	
J. CONDITI	.511	HAINER KOWS	OOTER ROWS	DULL	GIAN.	LOCATION	DEARING	JEALS	GAGE	JIHER	REASUN	- OLLED	
PUMP REPO)RT												
I OWIF REPU	/ICI		LINER				ANNULAR	VELOCITY					
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE		
1		H&H F-1600		0	0	875			6 1/2"	4 1/2"	12 1/4"		
2		H&H F-1600		106	444				-,-	-, -	, -		
			TOTAL	106	444								
BHA TOTAL		BHA DESCRI											
3	64	BIT/MUD M	OTOR / SHOCK S	UB/NMDC8",	GAP SUB/IND	DEX SUB/NMC)C8''/3-8 <mark>''</mark> DC'	S/XOVER/6-6	.50 DC/12 HW	/DP	·		
							-						
				11" SHAEEE		ORI GATE & 11'	YPE LAST I 1" SHAFFER 5,000# ANNULAR			LAST BOP TEST [BOP TEST DATE & PRESSURE 5,000 PSI		
С	ASING RECOR	RD .	TOTAL DRILL GA		2443 3,000# L	TOUR CHECK			VIATION RECO	ORD	SPR/KIL		
		P T H	ĜÅŜ	UNITS	DEPTH		Fŧ.	DEPTH	INĉ	Å₹	PUMP 1	PUMP 2	
SIZE	PROPOSED	ACTUAL	BACKGROUND	25	PICK UP		K				SPM/PSI	SPM/PSI	
9 5/8	4,500'		PEAK GAS		SLACK OFF		K				2, 1 31	2, 7 31	
5 1/2			CONN GAS		ROTATING		К						
			TRIP GAS		TORQUE		K				CO-MAN P	HONE NO.	
FUEL USED	0	GALS	FLARE SCF'S								435-82	8-0601	



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud Lease and Well No		0.				Prospect/Field		Date					
SURF 2 CUCH 10-								TAMONT		26 Jun 2015			
1,891' TVD 1,890'			Progress 1,726'	Planned TD 12,700'		Daily Cost \$173,270		\$293,301		AFE DHC 1,383,220	AFE CWC \$4,564,590		
County/Parish		1,030		State	Rig		Ψ173,E70	Drilling Supervisor			AFE Days (CWC)	34,304,330	
Uintah				Utah	SST 8			SCOTT ALL	.RED		20 E AFE No.	DAYS	
Present Operation DRILLING 1	12 1/4 SUR	FACE HOLE										029	
Time	e Log	ļ											
6:00	то 15:00	9.0	DRILL SURFACE I	-OLE 165' TO	658' / 193' @	54 7 FPH							
15:00	15:30	0.5	RIG SERVICE	1011 103 10	030 / 433 @	34.71111							
15:30	6:00	14.5	DRILL SURFACE I	HOLE 493' TO	1891 1398' (₪96.4 FPH							
IGS & MUD D	ISPOSAL, SUF												
				ı		ı							
				PROGNOSIS	ACTUAL	TVD ACTUAL							
			GREEN RIVER	5,455'									
			MGMK MARKER	8,495' 9,693'									
			WASATCH LOWER WASATCH	11,637									
			FLAGSTAFF	12,605									
TC	TAL HOURS:	24.0	TD	12,700'									
MUD REPOR	T												
MW	VIS	PV	YP	INITIAL G	10 MIN	API	D LOSS HPHT	SOLIDS %	WATER %	DAP PPB	0/W %	SAND %	
8.7	27	PV	TP	INITIAL	TO IVIIN	API	пип	76	76	PPB	76	76	
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily N	lud Cost	Cumu	lative	
									\$2,	\$2,146		117	
BIT#	ı					T		ı	ı		ı		
BIT#	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP	
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	1,891'	1,811'	25.0	5/15	45/75	75.6 FPH	
2	,						_,	_,		0,10	,		
3													
BIT CONDITION	ON	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARING	SS / SEALS	GAGE	OTHER	REASON	PULLED	
PUMP REPO	RT												
-	ı	<u> </u>	LINER		1	<u> </u>		VELOCITY		<u> </u>			
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE		
1		H&H F-1600		73	306	2,650			6 1/2"	4 1/2"	12 1/4"		
2		H&H F-1600	6" TOTAL	74 147	310 616				<u> </u>	l	<u> </u>	İ	
BHA TOTAL I	LENGTH	BHA DESCRI		14/	010								
	64		OTOR / SHOCK S	UB/NMDC8",	/GAP SUB/IND	EX SUB/NMI	DC8"/3-8" DC'	S/XOVER/6-6	.50 DC/12 HV	VDP			
						BOP MAKE & TYI				LAST BOP TEST I	DATE & PRESSURE		
	ACINIC DECOR		TOTAL DRULE		R LWS 5,000# D		SHAFFER 5,00		(IATION DEC	ORD		O PSI	
C	ASING RECOR	PTH	TOTAL DRILL GA	1	DEPTH	1,891'	Fŧ.		VIATION RECO	ı	SPR/KII		
SIZE	PROPOSED	ACTUAL	GAS	UNITS				DEP₹H	INĈ	Ā₹	PUMP 1	PUMP 2	
9 5/8	4,500'	ACTUAL	BACKGROUND PEAK GAS	13	PICK UP SLACK OFF	125 75	K K				SPM/PSI	SPM/PSI	
5 1/2	2,550		CONN GAS		ROTATING	90	K	969'	0.48	32.60			
,-			TRIP GAS		TORQUE	6/7	K	1,350'	0.70	320.40	CO-MAN F	HONE NO.	
FUEL USED	1229	GALS	FLARE SCF'S		ОВРИМР	2362	PSI	1,636'	1.80	273.90		8-0601	



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
SURF 3 CUCH 10-17-2-1E			17-2-1E				SOUTH AL	TAMONT		27 Jun 2015		
мр 3,539 '		TVD 3,534'		Progress 1,648'	Planned TD 12,700'		Daily Cost \$52,160		\$345,460		AFE DHC	AFE CWC \$4,564,590
County/Parish		3,334		State	Rig		332,100	Drilling Supervisor			1,383,220 AFE Days (CWC)	
Uintah				Utah	SST 8			SCOTT ALL	.RED		20 D	AYS
Present Operation		12 1 // 5110	FACE HOLE								AFE No. 140	120
	e Log	12 1/4 301	TACE HOLE								140	129
From	To	Hrs										
6:00	13:00	7.0	DRILL SURFACE I	HOLE 1891' TO	O 2558' / 667'	@ 95.2 FPH						
13:00	13:30	0.5	RIG SERVICE									
13:30	6:00	16.5	DRILL SURFACE I	HOLE 2558' TO	0 3539' 981' (@ 59.4FPH						
IGS & MUD	DISPOSAL, SUI											
				•	•		,					
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			GREEN RIVER	5,455'								
			MGMK MARKER	8,495'								
			WASATCH	9,693'								
			LOWER WASATCH	11,637'								
т.	TAL HOURS:	24.0	FLAGSTAFF TD	12,605'								
MUD REPOR		24.0	טון	12,700'								
				GI	ELS	FLUI	LOSS	SOLIDS	WATER	DAP	O/W	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
8.7 CAKE	27 PH	2 PM	1 PF	MF	CL	HARDNESS	ECD	3.0% LCM	96%	1.8 lud Cost	0/96.5 Cumu	10%
	8.3				700	60	8.9	SWEEPS	\$4,0		\$10,	
BIT#												
				SERIAL			_	TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS C. 4.C	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP
2	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	3,539'	3,459'	48.5	5/15	45/75	73.0 FPH
3												
4												
5												
6												
BIT CONDITI	ON	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARING	SS / SEALS	GAGE	OTHER	REASON	PULLED
PUMP REPO	RT											
	1	ı	LINER		ı	ı	ANNULAF	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		76	318	3,443	106	119	6 1/2"	4 1/2"	12 1/4"	
2	1	H&H F-1600		74	310				<u> </u>			
			TOTAL	150	629							
BHA TOTAL I	LENGTH 64	BHA DESCRI	OTOR / SHOCK S	IIB/NIMDC8"	GAP SLIP /INIT	EX SLIB/NINAT	JC8\3-8 DC	S/XOVED/6	50 DC/12 LIV	/DP		
	04	BIT/IVIOD IVI	OTOR / SHOCKS	OB/INIVIDEO /	OAI JOD/IND	LX JOB/ NIVIL	75 0 DC	J/XOVEN/O	.50 DC/12 110	101		
					В	BOP MAKE & TYP	PE			LAST BOP TEST I	DATE & PRESSURE	
			11" SHAFFEI		BOP MAKE & TYPE DBL GATE & 11" SHAFFER 5,000# ANNULAR					5,000 PSI		
C	ASING RECOR	D	TOTAL DRILL GA	S		TOUR CHECK		DE	VIATION RECO	ORD	SPR/KIL	L RATE
		PTH	GAS	UNITS	DEPTH	3,539'	Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND	18	PICK UP	115	K				SPM/PSI	SPM/PSI
9 5/8	4,500'		PEAK GAS		SLACK OFF	105	K					
5 1/2		ļ	CONN GAS		ROTATING	110	K					
EUE:		0415	TRIP GAS		TORQUE	7/1	K				CO-MAN P	
FUEL USED	1751	GALS	FLARE SCF's		OBPUMP	3057	PSI				435-82	8-0601



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
SUF	RF 4	CUCH 10-1	L7-2-1E				SOUTH AL	TAMONT			28 Jun	2015
MD		TVD	r	Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
4,500'		4,495'		961'	12,700'		\$47,688	Daillian Constant	\$393,148		1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			Drilling Supervisor SCOTT ALL			AFE Days (CWC) 20 D	Ανς
Present Operation	1			Otali	33. 0			JCOTT ALL			AFE No.	713
		ATE AND C	LEAN HOLE								140)29
	e Log											
6:00	To 14:30	Hrs 8.5	DRILL SURFACE H	101 E 3539' T	1 4079' / 540'	@ 63 5EDH						
14:30	15:00		RIG SERVICE	IOLL 3333 TO	34073 / 340	@ 03.31F11						
15:00	0:00	9.0	DRILL SURFACE H	HOLF 4079' TO	0 4500' 421 @	046 7 FPH						
0:00	1:30	1.5	CIRCULATE AND				ASING					
1:30	3:00	1.5	PUMP PILL AND			0 0 0 111 7 10 2 0	7.00					
3:00	4:30	1.5	UNPLUG FLOW L			T @3800						
4:30	6:00	1.5	TRIP BACK IN CIR			_						
IGS & MUD D	DISPOSAL, SUF											
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			GREEN RIVER	5,455'								
			MGMK MARKER	8,495'								
			WASATCH	9,693'								
			LOWER WASATCH	11,637'								
			FLAGSTAFF	12,605'								
TC	OTAL HOURS:	24.0	TD	12,700'								
MUD REPOR				,								
					ELS		LOSS	SOLIDS	WATER	DAP	O/W	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
8.7 CAKE	27 PH	2 PM	1 PF	MF	CL	HARDNESS	ECD	3.0% LCM	96% Daily M	1.8	0/96.5 Cumu	10%
CARL	8.3	FIVE		IVII	700	60	8.9	SWEEPS	\$2,0		\$12,	
BIT#									<u> </u>		, , , , , , , , , , , , , , , , , , , 	
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH				4,500'						
3												
4												
5												
6	<u> </u>				<u></u>							
BIT CONDITI	ON	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARING	C / CEALC	GAGE	OTHER	REASON	PULLED
1		INNER ROWS						IJ / JLALJ	UAGE			
		INNER ROWS						J JLALJ	GAGE			
PUMP REPO	RT	INNER ROWS						IS / SLALS	GAGE			
PUMP REPO	RT	INNER ROWS	LINER					VELOCITY	GAGE			
PUMP REPO	RT	MODEL	LINER SIZE	SPM	GPM	PRESSURE			DC OD	DP OD	HOLE	
	RT			SPM 76	GPM 318	PRESSURE 3,443	ANNULAR	VELOCITY		DP OD 4 1/2"	HOLE 12 1/4"	
PUMP#	RT	MODEL	SIZE				ANNULAR DP	VELOCITY	DC OD			
PUMP#	RT	MODEL H&H F-1600	SIZE 6"	76	318		ANNULAR DP	VELOCITY	DC OD			
PUMP#		MODEL H&H F-1600 H&H F-1600 BHA DESCRI	SIZE 6" 6" TOTAL PTION	76 74 150	318 310 629	3,443	ANNULAR DP 106	DC 119	DC OD 6 1/2"	4 1/2"		
PUMP# 1 2 BHA TOTAL I		MODEL H&H F-1600 H&H F-1600 BHA DESCRI	SIZE 6" 6" TOTAL	76 74 150	318 310 629	3,443	ANNULAR DP 106	DC 119	DC OD 6 1/2"	4 1/2"		
PUMP# 1 2 BHA TOTAL I	LENGTH	MODEL H&H F-1600 H&H F-1600 BHA DESCRI	SIZE 6" 6" TOTAL PTION	76 74 150	318 310 629	3,443	ANNULAR DP 106	DC 119	DC OD 6 1/2"	4 1/2"		
PUMP# 1 2 BHA TOTAL I	LENGTH	MODEL H&H F-1600 H&H F-1600 BHA DESCRI	SIZE 6" 6" TOTAL PTION	76 74 150 UB/NMDC8"/	318 310 629 /GAP SUB/IND	3,443 DEX SUB/NMC	ANNULAR DP 106	S/XOVER/6-6	DC OD 6 1/2"	4 1/2 " /DP	12 1/4" DATE & PRESSURE	
PUMP# 1 2 BHA TOTAL I 3(LENGTH 64	MODEL H&H F-1600 H&H F-1600 BHA DESCRI	SIZE 6" 6" TOTAL PTION OTOR / SHOCK S	76 74 150 UB/NMDC8"/	318 310 629 /GAP SUB/IND	3,443 DEX SUB/NME BOP MAKE & TYP BL GATE & 11'	ANNULAR DP 106 0C8"/3-8" DC' E SHAFFER 5,00	S/XOVER/6-6	DC OD 6 1/2"	4 1/2" /DP LAST BOP TEST I	12 1/4" DATE & PRESSURE 5,000) PSI
PUMP# 1 2 BHA TOTAL I 3(LENGTH 64 ASING RECOR	MODEL H&H F-1600 H&H F-1600 BHA DESCRI BIT/MUD MI	SIZE 6" 6" TOTAL PTION OTOR / SHOCK SI	76 74 150 UB/NMDC8"/ 11" SHAFFEI S	318 310 629 /GAP SUB/IND	3,443 DEX SUB/NME SOP MAKE & TYP BL GATE & 11" TOUR CHECK	ANNULAR DP 106 0C8"/3-8" DC' E SHAFFER 5,00	S/XOVER/6-6	DC OD 6 1/2" .50 DC/12 HW	4 1/2" /DP LAST BOP TEST I	12 1/4" DATE & PRESSURE 5,000 SPR/KIL	D PSI L RATE
PUMP# 1 2 BHA TOTAL I	LENGTH 64 ASING RECOR	MODEL H&H F-1600 H&H F-1600 BHA DESCRI BIT/MUD MI	SIZE 6" 6" TOTAL PTION OTOR / SHOCK S TOTAL DRILL GA GAS	76 74 150 UB/NMDC8"/ 11" SHAFFEI S UNITS	318 310 629 /GAP SUB/IND ER LWS 5,000# D	3,443 DEX SUB/NME BOP MAKE & TYP BL GATE & 11'	ANNULAR DP 106 CC8"/3-8" DC' SHAFFER 5,00	S/XOVER/6-6	DC OD 6 1/2"	4 1/2" /DP LAST BOP TEST I	DATE & PRESSURE 5,000 SPR/KIL PUMP 1	L RATE PUMP 2
PUMP# 1 2 BHA TOTAL I	LENGTH 64 ASING RECOR DEI PROPOSED	MODEL H&H F-1600 H&H F-1600 BHA DESCRI BIT/MUD MI	SIZE 6" 6" TOTAL PTION OTOR / SHOCK SI TOTAL DRILL GA GAS BACKGROUND	76 74 150 UB/NMDC8"/ 11" SHAFFEI S	318 310 629 /GAP SUB/IND BR LWS 5,000# D DEPTH PICK UP	3,443 DEX SUB/NME SOP MAKE & TYP BL GATE & 11" TOUR CHECK	ANNULAR DP 106 CC8"/3-8" DC' E SHAFFER 5,00	S/XOVER/6-6	DC OD 6 1/2" .50 DC/12 HW	4 1/2" /DP LAST BOP TEST I	12 1/4" DATE & PRESSURE 5,000 SPR/KIL	D PSI L RATE
PUMP# 1 2 BHA TOTAL I 3(ASING RECOR DEI PROPOSED 4,500'	MODEL H&H F-1600 H&H F-1600 BHA DESCRI BIT/MUD MI	SIZE 6" 6" TOTAL PTION OTOR / SHOCK SI TOTAL DRILL GA GAS BACKGROUND PEAK GAS	76 74 150 UB/NMDC8"/ 11" SHAFFEI S UNITS	318 310 629 /GAP SUB/IND BR LWS 5,000# D DEPTH PICK UP SLACK OFF	3,443 DEX SUB/NME SOP MAKE & TYP BL GATE & 11" TOUR CHECK	ANNULAR DP 106 CC8"/3-8" DC' E SHAFFER 5,000	S/XOVER/6-6	DC OD 6 1/2" .50 DC/12 HW	4 1/2" /DP LAST BOP TEST I	DATE & PRESSURE 5,000 SPR/KIL PUMP 1	L RATE PUMP 2
PUMP# 1 2 BHA TOTAL I	LENGTH 64 ASING RECOR DEI PROPOSED	MODEL H&H F-1600 H&H F-1600 BHA DESCRI BIT/MUD MI	SIZE 6" 6" TOTAL PTION OTOR / SHOCK S TOTAL DRILL GA GAS BACKGROUND PEAK GAS CONN GAS	76 74 150 UB/NMDC8"/ 11" SHAFFEI S UNITS	318 310 629 /GAP SUB/IND BR LWS 5,000# D DEPTH PICK UP SLACK OFF ROTATING	3,443 DEX SUB/NME SOP MAKE & TYP BL GATE & 11" TOUR CHECK	ANNULAR DP 106 106 CS"/3-8" DC' E SHAFFER 5,000 Ft. K K K	S/XOVER/6-6	DC OD 6 1/2" .50 DC/12 HW	4 1/2" /DP LAST BOP TEST I	DATE & PRESSURE 5,000 SPR/KIL PUMP 1 SPM/PSI	L RATE PUMP 2 SPM/PSI
PUMP # 1 2 BHA TOTAL I 3 (ASING RECOR DEI PROPOSED 4,500'	MODEL H&H F-1600 H&H F-1600 BHA DESCRI BIT/MUD MI	SIZE 6" 6" TOTAL PTION OTOR / SHOCK SI TOTAL DRILL GA GAS BACKGROUND PEAK GAS	76 74 150 UB/NMDC8"/ 11" SHAFFEI S UNITS	318 310 629 /GAP SUB/IND BR LWS 5,000# D DEPTH PICK UP SLACK OFF	3,443 DEX SUB/NME SOP MAKE & TYP BL GATE & 11" TOUR CHECK	ANNULAR DP 106 CC8"/3-8" DC' E SHAFFER 5,000	S/XOVER/6-6	DC OD 6 1/2" .50 DC/12 HW	4 1/2" /DP LAST BOP TEST I	DATE & PRESSURE 5,000 SPR/KIL PUMP 1	PUMP 2 SPM/PSI HONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well No. CUCH 10-17-2-1E					Prospect/Field				Date	
-	RF 5						SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
4,500'		4,495'		0'	12,700'		\$143,443		\$536,590		1,383,220	\$4,564,590
County/Parish				State	Rig			Drilling Supervisor			AFE Days (CWC)	AVC
Uintah Present Operation	•			Utah	SST 8			SCOTT ALI	LKED		20 D	AYS
	CEMENT/TO	OP IOR										029
	e Log	J. 102										,23
From	То	Hrs										
6:00	6:30	0.5	CIRCULATE AND									
6:30	11:00	4.5	TRIP OUT WASH									
11:00	12:30	1.5	LAY DOWN 8" D									
12:30	14:00	1.5	SAFETY MEETING			W						
14:00 18:00	18:00	4.0 6.0	RUN 55 JTS. 9 5/			TOTAL 104 IC	NINTS / TOTAL	20 CENTRALI	ZEDC / MACH	DOWNLACT	4 IT LANDED	a 4260i
0:00	0:00	0.5	RUN 49 JTS. 9 5/ RIG DOWN CASI		&C CASING /	101AL 104 JC	JIN13/ TOTAL	30 CENTRALI	ZERS / WASH	DOWN LAST	4 JI.LANDED (<u>y</u> 4309
0:30	1:30	1.0	SAFETY MEETING		D HALLIBLIDTO	NI CEMENITES)¢					
1:30	4:00	2.5	LEAD= 690 SXS /					RF-MIX 75 20	OLBM//FNHAN	ICEB 933 CM	T DRF MIX 11	2 I BM//KW/II
1.30	4.00	2.3	0.25LBM//ECON									
			TAIL= 155 SXS 46									
			ECONOLITE 1%/			_						JEDIVI
			DISPLACE W/328									NT 120'
0:00	6:00	2.0	WAIT FOR LEAD		-			I, CLIVILIA DI	rick 10 301(17	ICE O DDES//	TOT OF CENTER	11 120
0.00	0.00	2.0		10 021 01 01		27 1110 01 10						
IGS & MUD D	DISPOSAL, SUF											
			WAIT FOR LEAD	TO SET UP BE	FORE TOP JO	B/ RIG UP FO	R TOP JOB					
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			GREEN RIVER	5,455	1							
			MGMK MARKER	8,495								
			WASATCH	9,693	·							
			LOWER WASATCH	11,637	·							
			FLAGSTAFF	12,605								
TC	OTAL HOURS:	24.0	TD	12,700								
MUD REPOR	RT											
				G	ELS	FLUI	LOSS	SOLIDS	WATER	DAP	o/w	SAND
MW	VIS	PV	ΥP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
8.7	27	2	1					3.0%	96%	1.8	0/96.5	10%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	_	ud Cost	Cumu	
	8.3				700	60	8.9	SWEEPS	\$7	40	\$12,	952
BIT #												
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	0'	-4,500'				#DIV/0!
3												
4												
5												
6												
BIT CONDITION		INNER ROWS	OUTER ROWS		. CHAR.	LOCATION		SEALS/PDC	GAGE	OTHER		PULLED
	#1	2	2		CC	S	PL	OC .	<u> </u>	ВС	SURFA	ICE ID
PUMP REPO	ık I											
			LINER			T		VELOCITY				
PUMP#	1	MODEL	SIZE	SPM	GPM 310	PRESSURE	DP	DC	DC OD	DP OD	HOLE	-
1	1	H&H F-1600		76	318	3,443	106	119	6 1/2"	4 1/2"	12 1/4"	-
2		H&H F-1600		74	310				ļ		L	L
DUA TOTAL	LENCT	BUA DECCE	TOTAL	150	629							
BHA TOTAL I	LENGTH	BHA DESCR	PHON									
						000 MANUT 0 TO	NF			LACT COR TO	DATE & DDCCC	
				11" SHAEFE	R LWS 5,000# D	BOP MAKE & TYP		Ω# ΔΝΝΙΙΙΛΡ		LAST BOP TEST	DATE & PRESSURI	O PSI
		n	TOTAL DRILL GA			TOUR CHECK			VIATION RECO	חפר	SPR/KII	
	ASING PECCE		II O I AL DKILL GA	3					1			PUMP 2
C.	ASING RECOR			LINUTE	IDEDTH	A EUU.	C+				DIIM 1	
	DEI	TH	GAS	UNITS	DEPTH	4,500'	Ft.	DEPTH	INC	AZ	PUMP 1	
SIZE	DEI PROPOSED	PTH ACTUAL	GAS BACKGROUND	UNITS	PICK UP	4,500	К	DEPTH	INC	AZ	SPM/PSI	SPM/PSI
SIZE 9 5/8	PROPOSED 4,500'	TH	GAS BACKGROUND PEAK GAS	UNITS	PICK UP SLACK OFF	4,500	K K	DEPTH	INC	AZ	4	
SIZE	DEI PROPOSED	PTH ACTUAL	GAS BACKGROUND PEAK GAS CONN GAS	UNITS	PICK UP SLACK OFF ROTATING	4,500	К К К	DEPTH	INC	AZ	SPM/PSI	SPM/PSI
SIZE 9 5/8	PROPOSED 4,500'	PTH ACTUAL	GAS BACKGROUND PEAK GAS	UNITS	PICK UP SLACK OFF	4,500	K K	DEPTH	INC	AZ	4	SPM/PSI PHONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	LG 1	CUCH 10-1					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
4,500'		4,495'		0'	12,700'		\$102,298		\$638,888		1,383,220	\$4,564,590
County/Parish				State	SST 8			SCOTT ALI			AFE Days (CWC)	AVC
Uintah Present Operation	1			Utah	331 0			SCOTT ALI	.KED		AFE No.	DAYS
	TEST B.O.F) <u>.</u>										029
	e Log											
From	To20	Hrs	RIG UP 1"RUN IN	1 1 2 0 ' T A C C C	NACNIT // DLIN	4D 20 DDI C O	15 6#//1 21	VIELD COT I	OFTUDNIC @ 2	1/2 DDL A\A//	.v	
6:00	9:30	3.5	TYPE II/V 94 LBM					TIELD, GOT I	RETURNS @ Z	1/2 BBL AWA	Ατ,	
			CEMENT BACK @			-		ACE// CEMEN	IT HEI D//RIG	DOWN HALL	BURTON	
9:30	13:00	3.5	R/D CONDUCTO		-						20	
13:00	4:30	15.5	NIPPLE UP B.O.P						NIFOLD TO GA	S BUSTER.		
10.00	1.50	20.0	SPACER SPOOL F								UDS	
			KILL LINE COULD									VALVE
			AND MODIFIED I								•	
4:30	6:00	1.5	PRE JOB SAFETY							EN WELL HEA	D VALVE /	
-												
IGS & MUD D	ISPOSAL, SUF											
						ı	I					
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			GREEN RIVER	5,455'								
			MGMK MARKER	8,495'								
			WASATCH	9,693'								
			LOWER WASATCH	11,637'								
			FLAGSTAFF	12,605'								
	TAL HOURS:	24.0	TD	12,700'								
MUD REPOR	T .		I			ı		ı	1			
					ELS		LOSS	SOLIDS	WATER	DAP	O/W	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
8.7	27	2	1					3.0%	96%	1.8	0/96.5	10%
CAKE	PH 8.3	PM	PF	MF	700	HARDNESS 60	8.9	SWEEPS	Daily M		\$13,	
BIT#	0.3				700	- 60	0.3	SWEEPS	\$74	+0	\$15,	032
υп π				SERIAL		ı						
DIT#	SIZE	MCE	TYPE	NUMBER	IETC	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOR	PDM/MOTOR	POD
BIT#	12 1/4"	MGF SMITH	MSi616	JJ4442	JETS 6-16	80'	4,500'	4,420'	75.5	wов 5/15	45/75	80P 59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	0'	-4,500 ¹	/5.5	3/13	45/75	#DIV/0!
3	03/4	JIVIIIII	141031310	JK 1004	3-14	4,300		-4,300				#DIV/0:
4												
5												
6												
BIT CONDITION	ON	INNER ROWS	OUTER ROWS	ייוות	CHAR.	LOCATION	BEARINGS	SEALS/PDC	GAGE	OTHER	REASON	PULLED
	1	2	2		CC	S		OC OC		BC		ACE TD
PUMP REPO	RT											
			LINER				ANNULAR	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		76	318	3,443	106	119	6 1/2"	4 1/2"	12 1/4"	
2				74	310							
		H&H F-1600										
		H&H F-1600	TOTAL	150	629							
BHA TOTAL I	LENGTH	H&H F-1600 BHA #2 DES	TOTAL	150	629							
	LENGTH	BHA #2 DES	TOTAL			//6.5 UBHO//	NMDC6"//NM	1DC6"//6-DC	S RIG//12HWI	OP		
BHA TOTAL I		BHA #2 DES	TOTAL CRIPTION			//6.5 UBHO//I	NMDC6"//NM	1DC6"//6-DC	S RIG//12HWI	OP		
		BHA #2 DES	TOTAL CRIPTION		5-7/8-3.5-1.5/	//6.5 UBHO//I		1DC6"//6-DC			DATE & PRESSURI	E
		BHA #2 DES	TOTAL CRIPTION	OTOR 6.5-1.	5-7/8-3.5-1.5/	BOP MAKE & TYF	E					E O PSI
646		BHA #2 DES 8 3/4 BIT w/	TOTAL CRIPTION	OTOR 6.5-1.	5-7/8-3.5-1.5/ ER LWS 5,000# D	BOP MAKE & TYF	SHAFFER 5,00	0# ANNULAR		LAST BOP TEST		0 PSI
646	5.12'	BHA #2 DES 8 3/4 BIT w/	TOTAL CRIPTION // 5-14s //MUD M	OTOR 6.5-1.	5-7/8-3.5-1.5/ ER LWS 5,000# D	BOP MAKE & TYP	SHAFFER 5,00	0# ANNULAR		LAST BOP TEST	5,00	0 PSI
646	5.12'	BHA #2 DES 8 3/4 BIT w/	TOTAL CRIPTION // 5-14s //MUD M TOTAL DRILL GA	OTOR 6.5-1.	5-7/8-3.5-1.5/ E R LWS 5,000# D	BOP MAKE & TYP BL GATE & 11'	SHAFFER 5,00	0# ANNULAR DE	VIATION RECO	LAST BOP TEST	5,00 SPR/KIL	O PSI LL RATE
646 CA SIZE 9 5/8	ASING RECOR	BHA #2 DES 8 3/4 BIT w/ D	TOTAL CRIPTION // 5-14s //MUD N TOTAL DRILL GA GAS	OTOR 6.5-1.	5-7/8-3.5-1.5/ ER LWS 5,000# D	BOP MAKE & TYP BL GATE & 11'	SHAFFER 5,00 Ft. K	0# ANNULAR DE	VIATION RECO	LAST BOP TEST	5,00 SPR/KIL PUMP 1	O PSI LL RATE PUMP 2
646	ASING RECOR DEI PROPOSED	BHA #2 DES 8 3/4 BIT w/ D TH ACTUAL	TOTAL CRIPTION / 5-14s //MUD N TOTAL DRILL GA GAS BACKGROUND	OTOR 6.5-1.	5-7/8-3.5-1.5/ ER LWS 5,000# D DEPTH PICK UP	BOP MAKE & TYP BL GATE & 11'	SHAFFER 5,00 Ft. K	0# ANNULAR DE	VIATION RECO	LAST BOP TEST	5,00 SPR/KIL PUMP 1 SPM/PSI	O PSI L RATE PUMP 2 SPM/PSI
646 CA SIZE 9 5/8	ASING RECOR DEI PROPOSED 4,500'	BHA #2 DES 8 3/4 BIT w/ D TH ACTUAL	TOTAL CRIPTION // 5-14s //MUD N TOTAL DRILL GA GAS BACKGROUND PEAK GAS	OTOR 6.5-1.	5-7/8-3.5-1.5/ ER LWS 5,000# D DEPTH PICK UP SLACK OFF	BOP MAKE & TYP BL GATE & 11'	SHAFFER 5,00 Ft. K	0# ANNULAR DE	VIATION RECO	LAST BOP TEST	5,00 SPR/KIL PUMP 1 SPM/PSI	O PSI LL RATE PUMP 2



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Date Date	VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
Page	1,383,220 \$4,564,5 AFE Days (CWC) 20 DAYS AFE No. 14029 HEAD VALVE VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
Different Diff	AFE Days (CWC) 20 DAYS AFE No. 14029 HEAD VALVE VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
Unital	AFE NO. 14029 HEAD VALVE VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
PRILLING AND SLIDING Top To Top	AFE NO. 14029 HEAD VALVE VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
	HEAD VALVE VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
From	VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
6.00	VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
TEST PIPE RAMS, BLIND RAMS, UPPER AND LOWER KELLY COCK VALVE, DART FLOOR VALVE, KILL LINE VALVE, CAN VALVES, CHEUNE, AND CHOCK MANIPOLD VALVES. 250 PS ILOW FOR 5 MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH FOR PS MINUTES > 9 PISH PS MINUTES PS MINUTES > 9 PISH PS MINUTES PS MINUTES > 9 PISH PS MINUTES PS MINUTES > 9 PISH PS MINUTES PS MINUTES > 9 PISH PS MINUTES PS MINUTES > 9 PISH PS MINUTES PS MINUTES PS MINUTES > 9 PISH PS MINUTES PS	VES, CHOKE LINE R 10 MINUTES. N BOTH CHOKES WITH
VALIVES, CHOKE LINE, AND CHOKE MANIFOLD VALVES - 250 PS ILOW FOR 5 MINUTES - 5,000 PS I HIGH FOR 10 MINUTES - 15,000 PS I HIGH FOR 10 MINUTES / FUNCTION	R 10 MINUTES. N BOTH CHOKES WITH
RAN ACCUMULATOR PUNCTION TEST / FIX SUPER CHOKE AIR LINES/TIGHTEN DSA'S AND VALVES OFF OF MUD CROSS 14:30	T TO 11.4 EMW@ 681 PSI H
	T TO 11.4 EMW@ 681 PSI H
14:30	T TO 11.4 EMW@ 681 PSI H
15:30 18:00 2:5 PICK UP BIT/ DIRECTIOAL TOOL/ SCRIB MOTOR/MWD TOOLS/ TEST MOTOR 18:00 21:00 3.0 TRIP IN HOLE TAG CEMENT @XXXX 22:00 1:00 3.0 TAG CEMENT @ 3307 DRILL CEMENT, FLOAT, @4324/SHOE TRACK / SHOE@ 4369/DRILL TO 4510 FIT TEST 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 6:00 5.0 DRILL 45:10' TO 4844' 344' 68.8 FPH 1:00 70 70 70 70 70 70 70 70 70 70 70 70 7	T TO 11.4 EMW@ 681 PSI H
18:00	T TO 11.4 EMW@ 681 PSI H
22:00 1:00 3.0	T TO 11.4 EMW@ 681 PSI F
22:00	T TO 11.4 EMW@ 681 PSI F
1:00 6:00 5.0 DRILL 4510' TO 4844' 344' 68.8 FPH	
GREEN RIVER 5,455	
MGMK MARKER 8,495'	
WASATCH 9,693	
LOWER WASATCH 11,637	
TOTAL HOURS: 24.0 TD 12,700'	
NUM NUM	
MUD REPORT	
MW	
MW VIS PV YP INITIAL 10 MIN API HPHT % % % PPB 8.4 29 2 1	
S. S. S. S. S. S. S. S.	0/W SAND % %
CAKE PH PM PF MF CL HARDNESS ECD LCM Daily Mud Cost	0/99.5 0%
BIT # SIZE	Cumulative
SIZE MGF	\$15,788
BIT# SIZE MGF TYPE NUMBER JETS DEPTH IN DAY END/OUT FOOTAGE FO	
1 12 1/4" SMITH MSi616 JJ4442 6-16 80' 4,500' 4,420' 75.5 5/15 2 8 3/4" SMITH MDSi516 JK 1684 5-14 4,500' 4,844' 344' 5.0 15/15 3 ————————————————————————————————————	
2 8 3/4" SMITH MDSi516 JK 1684 5-14 4,500' 4,844' 344' 5.0 15/15 3 4 <	RPM/MOTOR ROP
3	
4	68.8 FI
S S S S S S S S S S	
6 INDER ROWS OUTER ROWS DULL CHAR. LOCATION BEARINGS / SEALS / PDC GAGE OTHER PUMP REPORT LINER	+
BIT CONDITION	+ + + + + + + + + + + + + + + + + + + +
PUMP REPORT LINER ANNULAR VELOCITY PUMP# MODEL SIZE SPM GPM PRESSURE DP DC DC OD DP OD 1 H&H F-1600 6" 63 264 3,350 203 270 6 1/2" 4 1/2" 2 H&H F-1600 6" 63 264	REASON PULLED
LINER SPM GPM PRESSURE DP DC DC OD DP OD	
PUMP# MODEL SIZE SPM GPM PRESSURE DP DC DC OD DP OD 1 H&H F-1600 6" 63 264 3,350 203 270 6 1/2" 4 1/2" 2 H&H F-1600 6" 63 264	
1 H&H F-1600 6" 63 264 3,350 203 270 6 1/2" 4 1/2" 2 H&H F-1600 6" 63 264 528 BHA TOTAL LENGTH BHA #2 DESCRIPTION	
2 H&H F-1600 6" 63 264 TOTAL 126 528 BHA TOTAL LENGTH BHA #2 DESCRIPTION	
BHA TOTAL LENGTH BHA #2 DESCRIPTION	' 8 3/4"
BHA TOTAL LENGTH BHA #2 DESCRIPTION	
0 3/4 DIT W// 3 143//MIOD MIOTOR 0.3-1.3-7/0-3.3-1.3//0.3 OBITO//MIDEO //ODE 3 NIG//12NWDP	
BOP MAKE & TYPE LAST BOP TI	EST DATE & PRESSURE
11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	5,000 PSI
CASING RECORD TOTAL DRILL GAS TOUR CHECK DEVIATION RECORD	
DEPTH GAS UNITS DEPTH 4,844' Ft. DEPTH INC AZ	SPR/KILL RATE
SIZE PROPOSED ACTUAL BACKGROUND 11 PICK UP 120 K 4299 2.59 279.	
9 5/8 4,500' 4,369' PEAK GAS SLACK OFF 105 K 4395 2.81 270.	SPR/KILL RATE PUMP 1 PUMP .01 SPM/PSI SPM/P
5 1/2 12,700' CONN GAS ROTATING 112 K 4497 3.8 264	SPR/KILL RATE PUMP 1 PUMP .01 SPM/PSI SPM/P .66 20 30
TRIP GAS TORQUE 6/1 K 4592 2.9 283	SPR/KILL RATE
FUEL USED 963 GALS FLARE SCF's PSI 4670 2.8 283	SPR/KILL RATE



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	lo.				Prospect/Field				Date	
DR	RLG 3	CUCH 10-	17-2-1E				SOUTH AL	TAMONT			2 Jul	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
6,550	<u>'</u>	6,543'		2,050'	12,700'		\$59,820	1	\$755,629		1,383,220	\$4,564,590
County/Parish				State	Rig CCT O			Drilling Supervisor			AFE Days (CWC)	AVC.
Uintah Present Operatio	n			Utah	SST 8			SCOTT ALL	.KED		AFE No.	DAYS
	AND SLIDIN	IG										029
Tin	ne Log											
From C-00	To	Hrs	DRILL 4844' TO 5	010 166 16	CEDII							
6:00 7:00	7:00 7:30	1.0 0.5	CODE 8 WORK O									
7:30	16:30	9.0	DRILL 5010' TO 5									
16:30	17:00	0.5	RIG SERVICE									
17:00	6:00	13.0	DRILL 5778' TO 6	5550' 772' @	59.3 FPH							
IGS & MUD	DISPOSAL, SUF											
						-	-			-		-
												-
				T		ı	ı					
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			GREEN RIVER	5,455								
			MGMK MARKER WASATCH	8,495' 9,693'								
			LOWER WASATCH	11,637								
			FLAGSTAFF	12,605								
Т	OTAL HOURS:	24.0	TD	12,700								
MUD REPO	RT											
				G	ELS	FLUII	LOSS	SOLIDS	WATER	DAP	o/w	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
8.6	31	4	2	1	3	9.0		2.0%	99%	4	0/99.5	0.1%
CAKE	PH	PM O CO	PF	MF	CL	HARDNESS 80	ECD	LCM		lud Cost		ulative ,465
BIT#	8.5	0.60	.03	1.1	700	80	8.7	SWEEPS	\$7,0	0//	\$23	,465
DII#				SERIAL		I	I	I				
BIT#	SIZE	MGF	ТҮРЕ	NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	6,550'	2,050'	28.0	15/15	40/90	73.2 FPH
3						-		-				
4												
5												
6								<u> </u>				<u></u>
BIT CONDIT	ION	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARINGS ,	/ SEALS/PDC	GAGE	OTHER	REASON	N PULLED
DUMP DEDC)PT											
PUMP REPO	JKI		LINER				ANNULA	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		60	251	3,350	203	270	6 1/2"	4 1/2"	8 3/4"	
2		H&H F-1600	1	60	251				,-		-,-	
			TOTAL	120	503						•	
BHA TOTAL	LENGTH	BHA #2 DES	CRIPTION									
64	6.12'	8 3/4 BIT w/	<mark>// 5-14s //MUD M</mark>	OTOR 6.5-1.	5-7/8-3.515/	//6.5 UBHO//	NMDC6"//NN	1DC6"//6-DC	S RIG//12HW	DP		
				448		BOP MAKE & TYP					DATE & PRESSUR	
	CACINO DEGG		TOTA:		R LWS 5,000# D					2015		O PSI
	CASING RECOR		TOTAL DRILL GA	1		TOUR CHECK			VIATION RECO			LL RATE
SIZE	PROPOSED	ACTUAL	GAS	UNITS	DEPTH	6,550' 150	Ft.	DEPTH 6108	INC 0	AZ 341.5	PUMP 1	PUMP 2
9 5/8	4,500¹	4,369¹	BACKGROUND PEAK GAS	806 1,143	PICK UP SLACK OFF	125	K K	6203				SPM/PSI 30
5 1/2	12,700'	7,503	CONN GAS	303	ROTATING	145	K	6298				380
- 	T		TRIP GAS		TORQUE	8/1	K	6393				PHONE NO.
FUEL USED	1213	GALS	FLARE SCF's	-			PSI	6488				28-0601
	-	•	•		•			•				



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud	i	Lease and Well N	lo.				Prospect/Field				Date	
	RLG 4	CUCH 10-					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
7,011 County/Parish	<u>1'</u>	7,004'		461' State	12,700'		\$44,966	Drilling Supervisor	\$800,596		1,383,220 AFE Days (CWC)	\$4,564,590
Uintah				Utah	SST 8			SCOTT ALL				DAYS
Present Operation	ion				100.0			100011111			AFE No.	
	MUD MOTO	OR									140	029
From	ime Log To	Hrs										
6:00	6:30	0.5	WORK ON TRANS	SDUCER/ ATT	EMO TO GET	SIGNAL						
6:30	12:30	6.0	DRILL 6550' TO 6	820' 270' @	45 FPH							
12:30	13:00	0.5	CHANGE OUT PA			OW LINE						
13:00	16:00	3.0	DRILL 6820' TO 6	916' 96' @ 3	32 FPH							
16:00	16:30	0.5	RIG SERVICE	20141								
16:30 18:30	18:30 19-:00	2.0 0.5	DRILL 6916' TO 7 CIRC. BOTTOMS		OD ELOW/DLIN	MD TDID DII I						
19-:00	23:00	4.0	TRIP OUT OF THE									
23:00	0:00	1.0	LAY DOWN MWI									
0:00	1:00	1.0	PICK UP NEW BIT	Γ, MOTOR AN	ID MWD TOO	LS						
1:00	2:00	1.0	TRIP IN THE HOL	E TO 743' AT	TEMPTED TO	TEST MWD TO	OOLS, PRESSU	RED UP				
2:00	3:00	1.0	TRIP OUT TO CH		LAY DOWN M	OTOR						
3:00	3:30	0.5	MOTOR LOCKED	- /								
3:30	4:30	1.0	PICKED UP NEW		EST IN ROTAR	Y TABLE, LOC	KED UP LAYE	אסטווכ				
4:30	6:00	1.5	WAIT ON NEW N	NOTOK								
IGS & MUD	DISPOSAL, SUF											
105 Q 1110D	103/103/12,301											
				1								
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'							
			LOWER GREEN RIV WASATCH	8,566' 9,688'			 					
			LOWER WASATCH									
			FLAGSTAFF	12,600'	1							
Т	TOTAL HOURS:	24.0	TD	12,700'								
MUD REPO	ORT											
				G	ELS	FLUIC	DLOSS	SOLIDS	WATER	DAP	o/w	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
8.6	31	4	2	1	3	9.0		2.0%	99%	4	0/99.5	0.1%
CAKE	PH 8.5	PM 0.60	.03	MF 1.1	700	HARDNESS 80	8.7	SWEEPS	Daily M		\$29,	.043
BIT#	1 0.0	U.00			100		0.7	01122.0	70)		Ţ_J,	<u>•</u>
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	7,011'	0'		15/19	40/90	#DIV/0!
4						7,011'	 	 				
5 6			1			0'	 	 				
BIT CONDIT	TION	INNER ROWS	OUTER ROWS	DUU	CHAR.	LOCATION	BEARINGS	! / SEALS/PDC	GAGE	OTHER	REASON	N PULLED
	#2	1	1		ONE	A		DC	1	NONE		LS FAILURE
PUMP REPO	ORT											
			LINER				ANNULAR	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		0	0	0	203	270	6 1/2"	4 1/2"	8 3/4"	
2		H&H F-1600		0	0				<u> </u>	-	<u> </u>	<u> </u>
BHA TOTAL	LIENGTU	BHV #3 DEC	TOTAL	0	0							
BHA TOTAL	48.23	BHA #2 DES	// 5-14s //MUD M	OTOR 6.5.1	5-7/8-3 5- 15/	//6.5.LIBHO//	NMDC6"//NA	ADC6"//6-DCI	S RIG//12HW	DP.		
04	10.43	0 3/4 BH W/	1 2-142 / IVIUU IV	1010N 0.5-1.	/3.515/	70.5 UDNU//I	INIVIDED //INIV	טם-טון טטעו.	J MIO// IZMVI	J1		
					F	BOP MAKE & TYF	PE			LAST BOP TEST	DATE & PRESSUR	E
				11" SHAFFE			" SHAFFER 5,00	0# ANNULAR	1 Jul			O PSI
	CASING RECOR	RD.	TOTAL DRILL GA	S		TOUR CHECK		DE	VIATION RECO)RD	SPR/KII	LL RATE
		PTH	GAS	UNITS	DEPTH	7,011'	Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND	11	PICK UP	11/1238	K	6582			SPM/PSI	SPM/PSI
9 5/8	4,500'	4,369'	PEAK GAS	165	SLACK OFF		K K	6677 6772	0.5 0.8	183 177.4	20	30 380
E 4/2	12 700									1// 4		380
5 1/2	12,700'		CONN GAS	1,251	ROTATING							
5 1/2 FUEL USED	-	GALS	CONN GAS TRIP GAS FLARE SCF's	1,251	TORQUE		K PSI	6868 6963		186	CO-MAN F	PHONE NO. 28-0601



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	RLG 5	CUCH 10-					SOUTH AL	TAMONT				2015
MD	_	TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
7,819	' <mark>'</mark>	7,812'		808'	12,700'		\$49,047	Dellie Constitution	\$849,642		1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			Drilling Supervisor SCOTT ALL			AFE Days (CWC) 21 Γ	DAYS
Present Operation	on			Otan	331 0			JCOTT ALL			AFE No.	,A13
	/4 PRODUCT	TION HOLE									140	029
From	ne Log To	Hrs										
6:00	7:30	1.5	PICK UP MUD M	OTOR/ MAKE	UP BIT/ SCRI	BE MOTOR/ F	ICK UP MWD	TOOLS				
7:30	11:00	4.0	TRIP IN THE HOL	E								
11:00	17:30	6.0	DRILL 7011' TO 7	'267' 256' @	42.6 FPH							
17:30	18:00	0.5	RIG SERVICE	1040 5531 0	46.0 50.1							
18:00	6:00	12.0	DRILL 7267' TO 7	819 552 @	46.0 FPH							
IGS & MUD	DISPOSAL, SUF											
					<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u> </u>	<u>-</u>	<u>-</u>	·
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	11271010712						
			LOWER GREEN RIV	8,566'	5,552							
			WASATCH	9,688'								
			LOWER WASATCH	11,632'								
			FLAGSTAFF	12,600'								
MUD REPO	OTAL HOURS:	24.0	TD	12,700'								
IVIOD REPO	KI		I	e	ELS	E1111F	LOSS	SOLIDS	o/w	DAP	MBT	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	LB/BBL	% %
8.7	40	11	10	3	8	8.5		3.0%	0/97	4	10	2.0%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM		ud Cost		ulative
1-32	8.8	0.80	0.4	1	600	60	8.8	SWEEPS	\$4,8	333	\$33,	876
BIT#												
BIT#	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	7,819'	808'	18.0	15/19	40/90	44.9 FPH
4						7,819'						
5						0'						<u> </u>
6 BIT CONDIT	ION	ININES SELL	OUTED DOWN		CUAR	O'	praguis	/ CEALC/DE S	C107	071177	0710	I DI II I CO
	#2	INNER ROWS 1	OUTER ROWS 1		CHAR.	LOCATION A		/ SEALS/PDC DC	GAGE 	OTHER NONE		LS FAILURE
PUMP REPO												
			LINER				ANNULAF	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		62	260	3,590	279	329	6 1/2"	4 1/2"	8 3/4"	<u> </u>
2	1	H&H F-1600		62	260				<u> </u>		<u> </u>	<u> </u>
DUA TOTAL	LENCTU	DUA #2 DEC	TOTAL	124	520							
BHA TOTAL	8.23	BHA #2 DES	CRIPTION // 5-14s //MUD M	OTOR 6.5.1	5-7/8-3 5- 15/	//6.5.LIRHO//	NMDC6"//NA	I IDC6"//6-DC'	S RIG//12H\M	DP.		
04	0.43	0 3/4 DII W/	/ 3-142 // IVIUU IV	0.5-1.	, 110 - 3.315/	70.5 UDNU//I	AINIDCO //INIV	טע-פון טטעו	J NIO//IZMWI			
						BOP MAKE & TYF	PE			LAST BOP TEST	DATE & PRESSUR	E
				11" SHAFFE	R LWS 5,000# D			0# ANNULAR	1 Jul			O PSI
(CASING RECOR		TOTAL DRILL GA	S		TOUR CHECK		DE	/IATION RECO	ORD		LL RATE
	DEF		GAS		DEPTH	7,819'	Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND	1,981	PICK UP	175	K	7344		312.4	SPM/PSI	SPM/PSI
9 5/8 5 1/2	4,500' 12,700'	4,369'	PEAK GAS CONN GAS	2,112 1,687	SLACK OFF ROTATING	125 153	K K	7439 7534	0.1 0.1	336.3 175.5	20 500	30 670
31/2	12,700		TRIP GAS	2,007	TORQUE	6/1	K	7629	0.1	173.5		PHONE NO.
FUEL USED	1612	GALS	FLARE SCF's	6,612			PSI	7725		211.8		8-0601



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	lo.				Prospect/Field				Date	
	RLG 6	CUCH 10-					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
8,526	i <mark>'</mark>	8,519'		707'	12,700'		\$52,591	Dellie Constitution	\$902,233		1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			Drilling Supervisor SCOTT ALL			AFE Days (CWC)	DAYS
Present Operation	on			Otali	3310			JCOTT ALL	INLD		AFE No.	
DRILL 8 3	/4 PRODUCT	TION HOLE									140	029
From	me Log To	Hrs										
6:00	13:30	7.5	DRILL 7819' TO 8	3078' 259' @	34.5FPH 21	O 4' FLARE F	OR ABOUT 4 I	HRS				
13:30	14:00	0.5	RIG SERVICE									
14:00	2:00	12.0	DRILL 8078' TO 8	3442' 364' @3	30.3 FPH NO	FLARE						
2:00	3:00	1.0	CODE 8 CHANGE									
3:00	6:00	3.0	DRILL 8442' TO 8	3526' 84' @2	8.0 FPH NO F	LARE						
	1	1										
ICC & MILID	DISPOSAL, SUF											
NOD KINDD	DISFUSAL, SUF											
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'							
			LOWER GREEN RIV	8,566'								
			WASATCH LOWER WASATCH	9,688' 11,632'								
			FLAGSTAFF	12,600'								
т	OTAL HOURS:	24.0	TD	12,700'								
MUD REPO				,								
				G	ELS	FLUIC	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%
9.6	41	13	10	4	13	8.2		7.0%	0/93	6.3	4.4%	0.2%
1-32	PH 8.4	PM 0.70	PF 0.01	MF 1.23	600	HARDNESS 20	9.74	SWEEPS	Daily M \$11.	lud Cost		ulative ,429
BIT #	0.4	0.70	0.01	1.23	600	20	3.74	SWEEPS	, ,	333	,343 _,	423
D11 II				SERIAL				70741				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	8,526'	1,515'	40.5	15/19	40/90	37.4 FPH
4	1	-				8,526'						
5 6	+					0'						
BIT CONDIT	TION	INNER ROWS	OUTER ROWS	DILL	CHAR.	LOCATION	REARINGS	/ SEALS/PDC	GAGE	OTHER	REASON	I PULLED
ZII CONDII		MAIATIK KOAA2	OO ILK KOWS	DOLL	CI IAIN.	LOCATION	DEARINGS	JENES/FUC	GAGE	OTHER	REASUN	JELLE
PUMP REPO	ORT											
			LINER				ANNULAF	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		62	260	3,590	279	329	6 1/2"	4 1/2"	8 3/4"	<u> </u>
2		H&H F-1600		62	260				<u> </u>		<u> </u>	<u> </u>
DUA TOTAL	LENCTU	DUA #2 DEC	TOTAL	124	520							
BHA TOTAL	LENGTH 18.23	BHA #2 DES	CRIPTION // 5-14s //MUD M	IOTOP 6 F 1 I	5-7/8-2 F 1F	/6.5.LIBHO//	NMDC6"//NA	IDC6"//c DC'	S RIG//12U\M	DP		
04	10.43	O 3/4 BIT W/	7 3-148 //WIUU IV	1010K 0.5-1.	<u>-1/0-3.515/</u>	/UDAOU C.U/	INIVIDED //INIV	טם-פון טטטוי.	S NIG//IZHW	UF		
						BOP MAKE & TYF	PE			LAST BOP TEST	DATE & PRESSUR	E
				11" SHAFFE	R LWS 5,000# D			0# ANNULAR	1 Jul			O PSI
	CASING RECOR	RD	TOTAL DRILL GA		-	TOUR CHECK			VIATION RECO	ORD	SPR/KII	LL RATE
		PTH	GAS	UNITS	DEPTH	8,526'	Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND	2,714	PICK UP	175	К	8011	0.7		SPM/PSI	SPM/PSI
9 5/8	4,500'	4,369'	PEAK GAS	8,012	SLACK OFF	145	K	8106		32.07		30
5 1/2	12,700'	-	CONN GAS	3,594	ROTATING	160 7/10	K	8201 8206	1			810
FUEL USED	1956	GALS	TRIP GAS FLARE SCF's	N/A 1,435	TORQUE	7/10	K PSI	8296 8391	1.3 0.5			PHONE NO. 28-0601
	1000		I LANE SUF S	1,755			. 51	0001	0.5	104.2	433-82	0.0001



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	lo.				Prospect/Field				Date	
	RLG 7	CUCH 10-					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
9,450) <mark>'</mark>	9,442'		924'	12,700'		\$51,197	I	\$953,431		1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			Drilling Supervisor SCOTT ALL			AFE Days (CWC)	DAYS
Present Operation	on			Otali	331 6			JCOTT ALL	.NLD		AFE No.	<u>/A13</u>
	/4 PRODUCT	TION HOLE									140	029
Tir From	me Log To	Hrs										
6:00	15:30	9.5	DRILL 8526' TO 8	918' 392' @	41.2 FPH (N	O FLARE)						
15:30	16:00	0.5	RIG SERVICE		,	- , <u> </u>						
16:00	6:00	14.0	DRILL 8918' TO 9	450' 532' @	38.0 FPH (1	NO FLARE)						
	+											
ICC 9. MALID	DISPOSAL, SUF											
NODINI D CDI	וט אוטרטאב, אוי											
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
			WASATCH	9,688' 11,632'								
			FLAGSTAFF	12,600'								
Т	OTAL HOURS:	24.0	TD	12,700'								
MUD REPO				,								
				G	ELS	FLUIC	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
9.7	41	13	10	4	13	7.8		7.0%	0/93	6.6	4.7%	0.2%
1-32	PH 8.4	PM 0.82	.02	MF 1.23	700	HARDNESS 20	9.74	SWEEPS	Daily M	lud Cost	Cumu \$55	ulative 803
BIT #	0.4	0.82	.02	1.23	700	20	3.74	JWLLF3	, J10,	374	, ,,,,,	803
2	T			SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,450'	2,439'	64.0	15/19	40/90	38.1 FPH
4					-	9,450'						
5 6			1			0'						
BIT CONDIT	TION	INNER ROWS	OUTER ROWS	DUU	CHAR.	LOCATION	BEARINGS	/ SEALS/PDC	GAGE	OTHER	REASON	I PULLED
22.1211		2		DOLL			J.J		U.U.	Jan		
PUMP REPO	ORT											
			LINER				ANNULA	VELOCITY		·		
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	<u> </u>
1		H&H F-1600		49	205	4,000	165	219	6 1/2"	4 1/2"	8 3/4"	<u> </u>
2		H&H F-1600	6" TOTAL	49 98	205 411				<u> </u>	<u> </u>	<u> </u>	<u> </u>
BHA TOTAL	LENGTH	BHA #2 DES		96	411							
	18.23		// 5-14s //MUD M	OTOR 6 5-1	5-7/8-3.5- 15/	//6.5 UBHO//	NMDC6"//NN	1DC6"//6-DC'	S RIG//12HW	DP		
- 01		J S/ T DIT W/	, 5 2 .5 // 1410 14		, 0 3.3 .±3/	, 5.5 05/10//	00 // 1410	.300 //0 00	0// 12/17/			
						BOP MAKE & TYP	PE			LAST BOP TEST	DATE & PRESSUR	E
				11" SHAFFE	R LWS 5,000# D			0# ANNULAR	1 Jul			O PSI
	CASING RECOR		TOTAL DRILL GA			TOUR CHECK			VIATION RECO			LL RATE
	DEF		GAS		DEPTH	9,450'	Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND	2,800	PICK UP	190	K	8963			SPM/PSI	SPM/PSI
9 5/8 5 1/2	4,500' 12,700'	4,369'	PEAK GAS CONN GAS	3,196 8 663	SLACK OFF ROTATING	150 175	K K	9058 9153		55.6 68.4	20 710	930 930
31/2	12,700		TRIP GAS	8,663	TORQUE	10	K	9153				PHONE NO.
FUEL USED	1629	GALS	FLARE SCF's	none	JUNQUE	10	PSI	9344	1	79.9		28-0601
					•		-		•		-33-02	



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N					Prospect/Field				Date	
DRI	G 8	CUCH 10-					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
9,870'		9,863'		420'	12,700'		\$44,567		\$997,998		1,383,220	\$4,564,590
County/Parish				State	Rig			Drilling Superviso			AFE Days (CWC)	NA VC
Uintah Present Operation				Utah	SST 8			SCOTT ALI	.KED		AFE No.	DAYS
TRIP FOR E		PR										029
Time											•	
From	To	Hrs	DDUL 04F0LTO	7751 2251 @	2C 1 FDU /1	al ELADE)						
6:00 15:00	15:00 15:30	9.0 0.5	DRILL 9450' TO 9 RIG SERVICE	1775 325 @	36.1 FPH (1-	Z FLAKE)						
15:30	22:00	6.5	DRILL 9775' TO 9	9870' 95' @	15.8 FPH (NO	O FLARF)						
22:00	23:00	1.0	CIRCULATE BOTT									
23:00	4:30	5.5	TRIP OUT									
4:30	6:00	1.5	CHANGE OUT M	WD TOOLS,B	IT AND MOTO	R						
6:00				·								
0:00												
0:00												
0:00												
IGS & MUD D	ISPOSAL SUI											
103 & 11100 0	131 03/12, 301											
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450	5,592'	5,588'						
			LOWER GREEN RIV	8,566								
			WASATCH	9,688	1							
			LOWER WASATCH	11,632								
			FLAGSTAFF	12,600								
MUD REPOR	TAL HOURS:	24.0	TD	12,700				_	_	_	_	_
IVIOD REPOR	•		I		ELS	E11111	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
9.6	41	13	11	4	11	8.0		7.0%	0/93	6.2	4.4%	0.2%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM		ud Cost		ılative
1-32	8.4	0.40	.01	1.22	700	20	9.74	SWEEPS	\$6,8		\$62	696
BIT#												
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516		9,870'	9,870'	0'		15/20		#DIV/0!
5						9,870'						
6	ON .					0'						
BIT CONDITION #		INNER ROWS	OUTER ROWS 2		CHAR.	LOCATION		/ SEALS/PDC DC	GAGE	OTHER CC		PULLED R
PUMP REPOI				<u> </u>	,,,,						<u> </u>	<u></u>
. CII ILLI OI			LINER				ANNULAF	R VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600			<u> </u>				6 1/2"	4 1/2"	8 3/4"	
2		H&H F-1600							, <u>, -</u>	,-		
			TOTAL	0	0						•	
BHA TOTAL L	.ENGTH	BHA #2 DES	CRIPTION									
648	3.16	8 3/4 BIT w/	<mark>// 5-14s //MUD M</mark>	OTOR 6.5-1.	5-7/8-3.515/	//6.5 UBHO//	NMDC6"//NN	MDC6"//6-DC	S RIG//12HW	DP		
						BOP MAKE & TY					DATE & PRESSUR	
					R LWS 5,000# D				1 Jul			0 PSI
CA	ASING RECOF		TOTAL DRILL GA			TOUR CHECK			VIATION RECO			LL RATE
		PTH	GAS	UNITS	DEPTH	9,870'	Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND	1,167	PICK UP	195	K				SPM/PSI	SPM/PSI
9 5/8	4,500'	4,369'	PEAK GAS	9,621	SLACK OFF	165	K				20	30
5 1/2	12,700'		CONN GAS	4,551	ROTATING	180	K				710	930
FUEL LIGHT	CC2	CALC	TRIP GAS		TORQUE	8	K					HONE NO.
FUEL USED	680	GALS	FLARE SCF's	none			PSI				435-828-06	01/844-792-



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	RLG 9	CUCH 10-1					SOUTH ALT	ГАМОНТ			8 Jul	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
10,663	<u>'</u>	10,656'		793'	12,700'		\$57,405		\$1,055,403		1,383,220	\$4,564,590
County/Parish				State	SST 8			SCOTT ALL			AFE Days (CWC)	AVC
Uintah Present Operation	n			Utah	3318			SCOTT ALL	.KED		21 D AFE No.	A13
	/4 PRODUCT	TION HOLE									140)29
Tim	ne Log											
From C-00	To 10:20	Hrs	TRIR IN THE HOL	г								
6:00 10:30	10:30 13:00	4.5 2.5	TRIP IN THE HOL DRILL 9870' TO 9		2 O EDH	10	' TO 10' EL A DE	EOR BOTTO	MS LID) / 1'TO	2' INITEDMIT	TENT FLARE DI	SILLING)
13:00	13:30	0.5	RIG SERVICE	903 93 @36	b.01F11	(0	TO TO TEAKE	TORBOTTO	1013 01) (110	Z IIVILINIVIII	ILINI I LAILE DI	VILLING)
13:30	6:00	16.5	DRILL 9965' TO 1	.0663' 793' @	041.7 FPH	(1	L'TO 3' INTERN	MITTENT FLA	RE)			
				<u>~</u>		,						
GS & MUD [DISPOSAL, SUF											
			LIDDED CDEEN DIV	PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV WASATCH	8,566' 9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'	3,330	3,323						
			FLAGSTAFF	12,600'								
TO	OTAL HOURS:	24.0	TD	12,700'								
MUD REPOF	RT											
				GI	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
9.9	43	13	13	5	13	7.5		8.0%	0/93	6.4	4.1%	12.5%
1-32	РН 8.6	PM 0.72	.02	MF 1.41	700	HARDNESS 20	10.1	SWEEPS	Daily M		\$72,	
BIT#	0.0	0.72	.02	2172	700		10.1	3442213	45,0	.51	Ψ, <u>,</u>	<u></u>
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"		MDSi516	114546						-		
5		SMITH	INIDSISTO	JJ 1516	5-22	9,870'	10,663'	793'	19.0	15/18	40/75	41.7 FPH
		SMITH	INIDSISTO	JJ 1516	5-22	10,663'	10,663'		19.0	15/18	40/75	41.7 FPH
6 BIT CONDITI	TON					10,663' 0'	·	793'				
	TION	SMITH INNER ROWS	OUTER ROWS		5-22 CHAR.	10,663'	10,663' BEARINGS /	793'	19.0	15/18 OTHER		41.7 FPH PULLED
BIT CONDITI						10,663' 0'	·	793'				
BIT CONDITI						10,663' 0'	·	793' SEALS/PDC				
BIT CONDITI			OUTER ROWS			10,663' 0'	BEARINGS /	793' SEALS/PDC				
BIT CONDITION		INNER ROWS	OUTER ROWS LINER SIZE	DULL	CHAR.	10,663' 0' LOCATION	BEARINGS /	793' SEALS/PDC VELOCITY	GAGE	OTHER	REASON	
PUMP REPO		INNER ROWS MODEL	OUTER ROWS LINER SIZE 6" 6"	SPM 60 60	GPM 251 251	10,663' 0' LOCATION PRESSURE	BEARINGS / ANNULAR DP	793' SEALS/PDC VELOCITY	GAGE DC OD	OTHER DP OD	REASON	
PUMP REPO	DRT	MODEL H&H F-1600	OUTER ROWS LINER SIZE 6" 6" TOTAL	SPM 60	GPM 251	10,663' 0' LOCATION PRESSURE	BEARINGS / ANNULAR DP	793' SEALS/PDC VELOCITY	GAGE DC OD	OTHER DP OD	REASON	
PUMP REPO	DRT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	SPM 60 60 120	GPM 251 251 503	10,663' 0' LOCATION PRESSURE 2,700	ANNULAR DP 192	793' SEALS/PDC VELOCITY DC	DC OD 6 1/2"	OTHER DP OD 4 1/2"	REASON	
PUMP REPO	DRT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	OUTER ROWS LINER SIZE 6" 6" TOTAL	SPM 60 60 120	GPM 251 251 503	10,663' 0' LOCATION PRESSURE 2,700	ANNULAR DP 192	793' SEALS/PDC VELOCITY DC	DC OD 6 1/2"	OTHER DP OD 4 1/2"	REASON	
PUMP REPO	DRT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	SPM 60 60 120	GPM 251 251 503 5-7/8-3.515/	10,663' 0' LOCATION PRESSURE 2,700	ANNULAR DP 192	793' SEALS/PDC VELOCITY DC	GAGE DC OD 6 1/2"	OTHER DP OD 4 1/2"	HOLE 8 3/4"	PULLED
PUMP REPO	DRT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	SPM 60 60 120 OTOR 6.5-1.5	GPM 251 251 503 5-7/8-3.515/	10,663¹ 0¹ LOCATION PRESSURE 2,700 /6.5 UBHO//I	ANNULAR DP 192	793' SEALS/PDC VELOCITY DC	GAGE DC OD 6 1/2"	OTHER DP OD 4 1/2"	HOLE 8 3/4"	PULLED
PUMP REPO PUMP # 1 2 BHA TOTAL	DRT LENGTH 8.16	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 75-145 //MUD M	SPM 60 60 120 OTOR 6.5-1.5	GPM 251 251 503 5-7/8-3.515/	10,663¹ 0¹ LOCATION PRESSURE 2,700 /6.5 UBHO//I	ANNULAR DP 192 NMDC6"//NM	793' SEALS/PDC VELOCITY DC DC6"//6-DC'	DC OD 6 1/2" S RIG//12HWI	OTHER DP OD 4 1/2" DP LAST BOP TEST 2015	HOLE 8 3/4"	PULLED E D PSI
PUMP REPO PUMP # 1 2 BHA TOTAL	DRT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 75-14s //MUD M	SPM 60 60 120 OTOR 6.5-1.5	GPM 251 251 5-7/8-3.515/	10,663' 0' LOCATION PRESSURE 2,700 /6.5 UBHO//t OP MAKE & TYP BL GATE & 11" TOUR CHECK	BEARINGS / ANNULAR DP 192 NMDC6"//NM	793' SEALS/PDC VELOCITY DC DC6"//6-DC'	GAGE DC OD 6 1/2" S RIG//12HWI 1 Jul //ATION RECC	OTHER DP OD 4 1/2" DP LAST BOP TEST 2015 DRD	HOLE 8 3/4"	PULLED E D PSI
PUMP REPOPUMP # 1 2 BHA TOTAL 64	DRT LENGTH -8.16 CASING RECOR	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 75-145 //MUD M	SPM 60 60 120 OTOR 6.5-1.5 11" SHAFFER S UNITS	GPM 251 251 5-7/8-3.515/	10,663' 0' LOCATION PRESSURE 2,700 /6.5 UBHO//t OP MAKE & TYP BL GATE & 11" TOUR CHECK	BEARINGS / ANNULAR DP 192 NMDC6"//NM	793' SEALS/PDC VELOCITY DC DC6"//6-DC'	DC OD 6 1/2" S RIG//12HWI 1 Jul //ATION RECC	DP OD 4 1/2" DP DP OD 4 1/2" DP DP DP DP DP DP DP DP DP DP DP DP DP D	HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KIL PUMP 1	PULLED E D PSI L RATE
PUMP REPO PUMP # 1 2 BHA TOTAL 64	LENGTH -8.16 CASING RECOR	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M	SPM 60 60 120 OTOR 6.5-1.5	GPM 251 251 5-7/8-3.515/	10,663' 0' LOCATION PRESSURE 2,700 /6.5 UBHO//I OP MAKE & TYP BL GATE & 11" TOUR CHECK 10,663'	BEARINGS / ANNULAR DP 192 NMDC6"//NM	793' SEALS/PDC VELOCITY DC DC6"//6-DC' #ANNULAR DEY DEPTH	DC OD 6 1/2" S RIG//12HWI 1 Jul //ATION RECC	OTHER DP OD 4 1/2" DP LAST BOP TEST 2015 DRD	HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII	PULLED E 0 PSI L RATE PUMP 2
PUMP REPO PUMP # 1 2 BHA TOTAL 64:	LENGTH -8.16 CASING RECOR	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND	SPM 60 60 120 OTOR 6.5-1.5 11" SHAFFEF S UNITS 4,942	GPM 251 251 503 5-7/8-3.515/ ERLWS 5,000# D DEPTH PICK UP	10,663' 0' LOCATION PRESSURE 2,700 /6.5 UBHO//I OP MAKE & TYPBL GATE & 11" TOUR CHECK 10,663' 215	ANNULAR DP 192 NMDC6"//NM E SHAFFER 5,000 Ft. K	793' SEALS/PDC VELOCITY DC DC DC DC DF ANNULAR DEPTH 10106	GAGE DC OD 6 1/2" S RIG//12HWI 1 Jul //ATION RECCINC O.2	DP OD 4 1/2" DP OD 4 1/2" LAST BOP TEST 2015 DRD AZ 82.6	HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI	PULLED E 0 PSI L RATE PUMP 2 SPM/PSI
PUMP REPORT PUMP # 1 2 BHA TOTAL 64:	LENGTH -8.16 CASING RECOR PROPOSED 4,500'	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND PEAK GAS	SPM 60 60 120 OTOR 6.5-1.5 11" SHAFFEE S UNITS 4,942 9,950	GPM 251 251 503 5-7/8-3.515/ ER LWS 5,000# D DEPTH PICK UP SLACK OFF	10,663' 0' LOCATION PRESSURE 2,700 /6.5 UBHO//I OP MAKE & TYP BL GATE & 11" TOUR CHECK 10,663' 215 170	ANNULAR DP 192 NMDC6"//NM E SHAFFER 5,000 Ft. K	793' SEALS/PDC VELOCITY DC DC6"//6-DC' D# ANNULAR DEYTH 10106 10201	DC OD 6 1/2" S RIG//12HWI 1 Jul //ATION RECC INC 0.2 0.3	DP OD 4 1/2" LAST BOP TEST 2015 ORD AZ 82.6 85.9	HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI 20	PULLED E D PSI L RATE PUMP 2 SPM/PSI 30 930



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	G 10	CUCH 10-1					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
11,315'		11,308'		652'	12,700'		\$141,455		\$1,196,858	3	1,383,220	\$4,564,590
County/Parish				State	Rig			Drilling Supervisor			AFE Days (CWC)	
Uintah Present Operation				Utah	SST 8			SCOTT ALL	.RED		AFE No.	AYS
	4 PRODUCT	ION HOLF										029
	e Log	101111022	i e									<u></u>
From	To	Hrs							,			
6:00	8:00	2.0	DRILL 10663' TO	10727' 64'	@32.0 FPH		(1'TO 3' INTE	RMITTENT FL	ARE)			
8:00	8:30	0.5	RIG SERVICE	444001 2721	020.2 5011		(NO 51 AD5)					
8:30	18:00	9.5	DRILL 10727' TO DRILL 11100' TO		_		(NO FLARE) (25 TO 30' FL	ADE)				
18:00 21:00	21:00 2:00	3.0 5.0	CIRCULATE OUT				•		MUD TO 11 2	TO KILL THE	WELL LOST AL	SOLIT 200 BBI
2:00	6:00	4.0	DRILL 11244' TO				(10' TO 15' FL		1000 10 11.2	TO KILL THE	WLLL. LOST AL	3001 300 001
2.00	0.00		J2112	11010 71	<u>e</u> 2777		(10 .0 15 .1	J/				
IGS & MUD D	ISPOSAL, SUF											
					·	·						
					·	·						
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
			WASATCH	9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'								
			FLAGSTAFF	12,600'								
	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPOR	KT		1									
					ELS		LOSS	SOLIDS	O/W	DAP	LOW GRAVITY	SAND
MW 10.9	VIS	PV 13	YP	INITIAL	10 MIN	8.6	HPHT	% 42.0%	% /88	PPB 5.5	% 5.2%	% 0.2%
	45		15	5	14		FCD	12.0%				
1-32	PH 8.7	PM 0.80	.02	MF 1.28	600	HARDNESS 20	11.05	LCM 5.0%	Daily M		\$85,	lative 316
BIT#	0.7	0.00	.02	1.20			11.03	3.070	713,	203	703,	<u> </u>
DIT 11				SERIAL					l l			
BIT#	SIZE											
1		MGE	TVDF		IFTS	DEPTH IN	DAY FND/OUT	TOTAL	TOTAL HOURS	WOR	RPM/MOTOR	ROP
2	12 1/4"	MGF SMITH	TYPE MSi616	NUMBER	JETS 6-16	DEPTH IN	DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB 5/15	RPM/MOTOR	ROP 59.6 FPH
	12 1/4" 8 3/4"	SMITH	MSi616	NUMBER JJ4442	6-16	80'	4,500'	FOOTAGE 4,420'	75.5	5/15	45/75	59.6 FPH
3	8 3/4"	SMITH SMITH	MSi616 MDSi516	NUMBER JJ4442 JK 1684	6-16 5-14	80' 4,500'	4,500' 7,011'	FOOTAGE 4,420' 2,511'	75.5 39.0	5/15 15/18	45/75 40/90	59.6 FPH 64.4 FPH
3 4		SMITH	MSi616	NUMBER JJ4442	6-16	80'	4,500'	FOOTAGE 4,420'	75.5	5/15	45/75	59.6 FPH
	8 3/4" 8 3/4"	SMITH SMITH SMITH	MSi616 MDSi516 MDSi616	JJ4442 JK 1684 JH7674	6-16 5-14 6-16	80' 4,500' 7,011'	4,500' 7,011' 9,870'	4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90	59.6 FPH 64.4 FPH 36.0 FPH
4	8 3/4" 8 3/4"	SMITH SMITH SMITH	MSi616 MDSi516 MDSi616	JJ4442 JK 1684 JH7674	6-16 5-14 6-16	80' 4,500' 7,011' 9,870'	4,500' 7,011' 9,870'	4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90	59.6 FPH 64.4 FPH 36.0 FPH
4 5	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH	MSi616 MDSi516 MDSi616	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16	80' 4,500' 7,011' 9,870' 11,315'	4,500' 7,011' 9,870' 11,315'	4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH
4 5 6	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 11,315' 0'	4,500' 7,011' 9,870' 11,315'	FOOTAGE 4,420' 2,511' 2,859' 1,445'	75.5 39.0 79.5 37.5	5/15 15/18 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 11,315' 0'	4,500' 7,011' 9,870' 11,315'	FOOTAGE 4,420' 2,511' 2,859' 1,445'	75.5 39.0 79.5 37.5	5/15 15/18 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITIO	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 11,315' 0'	4,500' 7,011' 9,870' 11,315'	FOOTAGE 4,420' 2,511' 2,859' 1,445'	75.5 39.0 79.5 37.5	5/15 15/18 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITIO	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516 MDSi516 OUTER ROWS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 11,315' 0'	4,500' 7,011' 9,870' 11,315'	FOOTAGE 4,420' 2,511' 2,859' 1,445'	75.5 39.0 79.5 37.5 GAGE	5/15 15/18 15/19 15/18 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPOIL PUMP # 1	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600	MSi616 MDSi516 MDSi616 MDSi516 MDSi516 OUTER ROWS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION	4,500' 7,011' 9,870' 11,315' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC	75.5 39.0 79.5 37.5	5/15 15/18 15/19 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPO	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH INNER ROWS	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6"	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 37.5 GAGE	5/15 15/18 15/19 15/18 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 37.5 GAGE	5/15 15/18 15/19 15/18 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2 BHA TOTAL I	8 3/4" 8 3/4" 8 3/4" ON RT	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP 136	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180	75.5 39.0 79.5 37.5 GAGE	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2 BHA TOTAL I	8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP 136	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180	75.5 39.0 79.5 37.5 GAGE	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2 BHA TOTAL I	8 3/4" 8 3/4" 8 3/4" ON RT	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85	6-16 5-14 6-16 5-22 CHAR. GPM 180 176 356	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP 136	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2 BHA TOTAL I	8 3/4" 8 3/4" 8 3/4" ON RT	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 OTOR 6.5-1.5	G-16 5-14 6-16 5-22 CHAR. GPM 180 176 356 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYP	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP 136	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPOIL 1 2 BHA TOTAL L 648	8 3/4" 8 3/4" 8 3/4" ON RT	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 OTOR 6.5-1.5	G-16 5-14 6-16 5-22 CHAR. GPM 180 176 356 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYP BBL GATE & 11"	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP 136 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180 DCG"//6-DC'	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2" SRIG//12HW	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" DP LAST BOP TEST 2015	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPOIL 1 2 BHA TOTAL L 648	8 3/4" 8 3/4" 8 3/4" ON RT LENGTH B.16	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 OTOR 6.5-1.5	G-16 5-14 6-16 5-22 CHAR. GPM 180 176 356 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYP BBL GATE & 11" TOUR CHECK	4,500' 7,011' 9,870' 11,315' BEARINGS / ANNULAR DP 136 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180 DCC6"//6-DC' # ANNULAR DEN	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2" S RIG//12HW 1 Jul //ATION RECC	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" DP DP LAST BOP TEST 2015 DRD	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPO PUMP # 1 2 BHA TOTAL L 648	8 3/4" 8 3/4" 8 3/4" ON RT LENGTH B.16 ASING RECOR	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 OTOR 6.5-1.5 LNITS	G-16 5-14 6-16 5-22 CHAR. GPM 180 176 356 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYP 0BL GATE & 11" TOUR CHECK 11,315'	4,500' 7,011' 9,870' 11,315' BEARINGS / DP 136 NMDC6"//NM PE SHAFFER 5,000 Ft.	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180 DCC6"//6-DCC	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2" S RIG//12HW 1 Jul //ATION RECC	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD AZ	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH PULLED E 0 PSI L RATE PUMP 2
4 5 6 BIT CONDITION PUMP REPORT 1 2 BHA TOTAL I 648	8 3/4" 8 3/4" 8 3/4" ON RT LENGTH B.16 ASING RECOR DEF PROPOSED	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 IOTOR 6.5-1.5 UNITS 4,530	6-16 5-14 6-16 5-22 CHAR. GPM 180 176 356 5-7/8-3.515/ BR LWS 5,000# D DEPTH PICK UP	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYP BL GATE & 11" TOUR CHECK 11,315' 225	4,500' 7,011' 9,870' 11,315' BEARINGS / DP 136 NMDC6"//NM PE SHAFFER 5,000 Ft. K	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180 DC6"//6-DC" ### ANNULAR DEPTH 10867	75.5 39.0 79.5 37.5 37.5 GAGE DC OD 6 1/2" S RIG//12HW J Jul //ATION RECCINC INC 0.53	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD AZ 133.97	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	E O PSI L RATE PUMP 2 SPM/PSI
4 5 6 BIT CONDITION PUMP REPORT 1 2 BHA TOTAL L 648 CA SIZE 9 5/8	8 3/4" 8 3/4" 8 3/4" 8 3/4" ON RT LENGTH 3.16 ASING RECOR PROPOSED 4,500'	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND PEAK GAS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 IOTOR 6.5-1.5 UNITS 4,530 11,244	6-16 5-14 6-16 5-22 CHAR. GPM 180 176 356 5-7/8-3.515/ BR LWS 5,000# D DEPTH PICK UP SLACK OFF	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYP BL GATE & 11" TOUR CHECK 11,315' 225 175	4,500' 7,011' 9,870' 11,315' BEARINGS / DP 136 NMDC6"//NM PE SHAFFER 5,000 FT. K	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180 DCG''//6-DC'' DEPTH 10867 10962	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2" S RIG//12HW 1 Jul //ATION RECC INC 0.53 0.57	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" COP LAST BOP TEST 2015 ORD AZ 133.97 120.39	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 20	E O PSI L RATE PUMP 2 SPM/PSI 30.6 FPH 38.5 FPH
4 5 6 BIT CONDITION PUMP REPORT 1 2 BHA TOTAL I 648	8 3/4" 8 3/4" 8 3/4" ON RT LENGTH B.16 ASING RECOR DEF PROPOSED	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND PEAK GAS CONN GAS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 IOTOR 6.5-1.5 UNITS 4,530	G-16 5-14 6-16 5-12 CHAR. GPM 180 176 356 5-7/8-3.515/ BR LWS 5,000# D DEPTH PICK UP SLACK OFF ROTATING	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYP BL GATE & 11" TOUR CHECK 11,315' 225 175 201	4,500' 7,011' 9,870' 11,315' BEARINGS / DP 136 NMDC6"//NM PE SHAFFER 5,000 Ft. K K K	## ANNULAR DEYTH 1,0867 1,0962 1,1057	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2" S RIG//12HW I Jul //IATION RECC INC 0.53 0.57 0.46	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" DP DP LAST BOP TEST 2015 DRD AZ 133.97 120.39 130.1	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 20 710	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 30 930
4 5 6 BIT CONDITION PUMP REPORT 1 2 BHA TOTAL L 648 C/ SIZE 9 5/8	8 3/4" 8 3/4" 8 3/4" 8 3/4" ON RT LENGTH 3.16 ASING RECOR PROPOSED 4,500'	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND PEAK GAS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 43 42 85 IOTOR 6.5-1.5 UNITS 4,530 11,244	6-16 5-14 6-16 5-22 CHAR. GPM 180 176 356 5-7/8-3.515/ BR LWS 5,000# D DEPTH PICK UP SLACK OFF	80' 4,500' 7,011' 9,870' 11,315' 0' LOCATION PRESSURE 1,700 30P MAKE & TYPBL GATE & 11" TOUR CHECK 11,315' 225 175 201 7	4,500' 7,011' 9,870' 11,315' BEARINGS / DP 136 NMDC6"//NM PE SHAFFER 5,000 FT. K	FOOTAGE 4,420' 2,511' 2,859' 1,445' SEALS/PDC VELOCITY DC 180 DCG''//6-DC'' DEPTH 10867 10962	75.5 39.0 79.5 37.5 GAGE DC OD 6 1/2" S RIG//12HW 1 Jul //ATION RECC INC 0.53 0.57	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" COP LAST BOP TEST 2015 ORD AZ 133.97 120.39	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 20 710	59.6 FPH 64.4 FPH 36.0 FPH 38.5 FPH I PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 30 930 HONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	LG 11	CUCH 10-1					SOUTH ALT	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
11,745	<u>'</u>	11,738'		430'	12,700'		\$84,890		\$1,281,748	3	1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			Drilling Supervisor SCOTT ALL			AFE Days (CWC)	AYS
Present Operation	on			Utan	331 0			SCOTT ALL	.KED		AFE No.	ATS
	/4 PRODUCT	TION HOLE										029
	me Log											
6:00	To 10:00	4.0	DRILL 11315' TO	11393' 78'	@19.5 FDH		(10' TO 15' F	I ARF)				
10:00	10:30	0.5	RIG SERVICE	11393 76	@13.5 TFII		(10 10 13 11	LANL				
10:30	12:00	1.5	DRILL 11393' TO	11444' 51' @	34 FPH		(NO FLARE)					
12:00	15:00	3.0	CIRCULATE AND									
15:00	2:30	11.5	DRILL 11444' TO	11735' 291'	@25.3 FPH	(:	15 TO 25' FLAI	RE) MUD WT	11.4			
2:30	5:30	3.0	LOST RETURNS P	ICK UP AND E	BUILD VOLUM	E LOST 450	BBLS					
5:30	6:00	0.5	DRILL 11735' TO	11745' 10' @	20 FPH							
			ļ									
IGS & MUD I	DISPOSAL, SUF											
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIVI	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
			WASATCH	9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'								
			FLAGSTAFF	12,600'								
	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPOR	RT		,	-					- 6			
24141	VIIC	D) /	V0		ELS		LOSS	SOLIDS	O/W	DAP	LOW GRAVITY	SAND
MW 11.5	VIS 57	PV 16	YP 17	INITIAL 6	10 MIN 15	API 10.4	HPHT	% 15.0%	% /88	PPB 1.2	% 5.8%	% 0.1%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M			lative
1-32	8.0	0.25	.02	1.52	500	60	11.6	15.0%	\$42.		\$127	
BIT#												,
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER		'	,					
1	12 1/4"		2401040		JETS	DEPTH IN	DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
2	/ - 11	SMITH	MSi616	JJ4442	6-16	DEPTH IN	4,500'		TOTAL HOURS	wов 5/15	RPM/MOTOR 45/75	ROP 59.6 FPH
3	8 3/4"	SMITH SMITH	MSi616 MDSi516	JJ4442 JK 1684				FOOTAGE				
	8 3/4" 8 3/4"				6-16	80'	4,500'	FOOTAGE 4,420'	75.5	5/15	45/75	59.6 FPH
4		SMITH	MDSi516	JK 1684	6-16 5-14	80' 4,500' 7,011' 9,870'	4,500' 7,011'	FOOTAGE 4,420' 2,511'	75.5 39.0	5/15 15/18	45/75 40/90	59.6 FPH 64.4 FPH
4 5	8 3/4"	SMITH SMITH	MDSi516 MDSi616	JK 1684 JH7674	6-16 5-14 6-16	80' 4,500' 7,011' 9,870' 11,745'	4,500' 7,011' 9,870'	FOOTAGE 4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90	59.6 FPH 64.4 FPH 36.0 FPH
4 5 6	8 3/4" 8 3/4"	SMITH SMITH SMITH	MDSi516 MDSi516 MDSi516	JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 11,745' 0'	4,500' 7,011' 9,870' 11,745'	FOOTAGE 4,420' 2,511' 2,859' 1,875'	75.5 39.0 79.5 55.0	5/15 15/18 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6	8 3/4" 8 3/4"	SMITH SMITH	MDSi516 MDSi616	JK 1684 JH7674 JJ 1516	6-16 5-14 6-16	80' 4,500' 7,011' 9,870' 11,745'	4,500' 7,011' 9,870' 11,745'	FOOTAGE 4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH
4 5 6 BIT CONDITI	8 3/4" 8 3/4"	SMITH SMITH SMITH	MDSi516 MDSi516 MDSi516	JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 11,745' 0'	4,500' 7,011' 9,870' 11,745'	FOOTAGE 4,420' 2,511' 2,859' 1,875'	75.5 39.0 79.5 55.0	5/15 15/18 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5	8 3/4" 8 3/4"	SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516 MDSi516 OUTER ROWS	JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 11,745' 0'	4,500' 7,011' 9,870' 11,745'	FOOTAGE 4,420' 2,511' 2,859' 1,875'	75.5 39.0 79.5 55.0	5/15 15/18 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
5 6 BIT CONDITI	8 3/4" 8 3/4"	SMITH SMITH SMITH INNER ROWS	MDSi516 MDSi616 MDSi516 OUTER ROWS	JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION	4,500' 7,011' 9,870' 11,745' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC	75.5 39.0 79.5 55.0	5/15 15/18 15/19 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITI	8 3/4" 8 3/4"	SMITH SMITH SMITH INNER ROWS	MDSi516 MDSi616 MDSi516 OUTER ROWS	JK 1684 JH7674 JJ 1516 DULL	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION	4,500' 7,011' 9,870' 11,745' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 55.0 GAGE	5/15 15/18 15/19 15/19 15/18 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPO	8 3/4" 8 3/4"	SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6"	JK 1684 JH7674 JJ 1516 DULL SPM 48	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION	4,500' 7,011' 9,870' 11,745' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC	75.5 39.0 79.5 55.0	5/15 15/18 15/19 15/19 15/18	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPO	8 3/4" 8 3/4"	SMITH SMITH SMITH INNER ROWS	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6"	JK 1684 JH7674 JJ 1516 DULL	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION	4,500' 7,011' 9,870' 11,745' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 55.0 GAGE	5/15 15/18 15/19 15/19 15/18 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2	8 3/4" 8 3/4"	SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL	JK 1684 JH7674 JJ 1516 DULL SPM 48	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION	4,500' 7,011' 9,870' 11,745' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 55.0 GAGE	5/15 15/18 15/19 15/19 15/18 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2	8 3/4" 8 3/4" PION PRT	SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94	GPM 201 193 394	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131	75.5 39.0 79.5 55.0 GAGE	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2	8 3/4" 8 3/4"	SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94	GPM 201 193 394	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131	75.5 39.0 79.5 55.0 GAGE	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2	8 3/4" 8 3/4" PION PRT	SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94	GPM 201 193 394	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPORT PUMP # 1 2	8 3/4" 8 3/4" PION PRT	SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94 OTOR 6.5-1.5	GPM 201 193 394	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309 /6.5 UBHO//I	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131 LDC6"//6-DC'	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPO PUMP# 1 2 BHA TOTAL 64:	8 3/4" 8 3/4" PION PRT	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94 OTOR 6.5-1.5	GPM 201 193 394 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309 /6.5 UBHO//I	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131 DC6"//6-DC'	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPO PUMP# 1 2 BHA TOTAL 64:	8 3/4" 8 3/4" 2000 2000 2000 2000 2000 2000 2000 20	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94 OTOR 6.5-1.5	GPM 201 193 394 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309 /6.5 UBHO//t	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131 DC6"//6-DC'	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2" SRIG//12HWI	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH
4 5 6 BIT CONDITION PUMP REPO PUMP# 1 2 BHA TOTAL 64:	8 3/4" 8 3/4" 8 3/4" NOTE: The second secon	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94 OTOR 6.5-1.5 11" SHAFFEF S UNITS	G-16 5-14 6-16 5-22 CHAR. GPM 201 193 394 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309 /6.5 UBHO//t	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131 DCC6"//6-DC'	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2" S RIG//12HWI 1 Jul //ATION RECC	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" DP DP LAST BOP TEST 2015 DRD	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH PULLED E 0 PSI L RATE
4 5 6 BIT CONDITION PUMP REPO PUMP# 1 2 BHA TOTAL 64	8 3/4" 8 3/4" 8 3/4" NOTE: The second of th	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 75-14s //MUD M	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94 OTOR 6.5-1.5 11" SHAFFER S UNITS 4,511	G-16 5-14 6-16 5-22 CHAR. GPM 201 193 394 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309 /6.5 UBHO//N OP MAKE & TYP BL GATE & 11" TOUR CHECK 11,745' 225	4,500' 7,011' 9,870' 11,745' BEARINGS / ANNULAR DP 99 NMDC6"//NM DE 'SHAFFER 5,000 (Ft.	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131 DCC6"//6-DC' # ANNULAR DEPTH	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2" S RIG//12HWI	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD AZ	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 40	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60
4 5 6 BIT CONDITION PUMP REPORT 1 2 BHA TOTAL 64	8 3/4" 8 3/4" 8 3/4" NOTE: The state of the	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION '/ 5-14s //MUD M TOTAL DRILL GA: GAS BACKGROUND	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94 DOTOR 6.5-1.5 11" SHAFFER S UNITS 4,511 11,673	G-16 5-14 6-16 5-22 CHAR. GPM 201 193 394 5-7/8-3.515/, BR LWS 5,000# D DEPTH PICK UP	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309 /6.5 UBHO//N OP MAKE & TYP BL GATE & 11" TOUR CHECK 11,745' 225	4,500' 7,011' 9,870' 11,745' BEARINGS / DP 99 NMDC6"//NM PE 'SHAFFER 5,000' Ft. K	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131 DCC6"//6-DC' # ANNULAR DEPTH 11248	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2" SRIG//12HWI	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD AZ 104	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	E O PSI L RATE PUMP 2 SPM/PSI
4 5 6 BIT CONDITION PUMP REPO PUMP# 1 2 BHA TOTAL 64 SIZE 9 5/8	8 3/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4" CASING RECOR DEF PROPOSED 4,500' 12,700'	MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MDSi516 MDSi616 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION // 5-14s //MUD M TOTAL DRILL GA: GAS BACKGROUND PEAK GAS	JK 1684 JH7674 JJ 1516 DULL SPM 48 46 94 DOTOR 6.5-1.5 11" SHAFFEF S UNITS 4,511 11,673	G-16 5-14 6-16 5-22 CHAR. GPM 201 193 394 5-7/8-3.515/, BR LWS 5,000# D DEPTH PICK UP SLACK OFF	80' 4,500' 7,011' 9,870' 11,745' 0' LOCATION PRESSURE 2,309 /6.5 UBHO//N OP MAKE & TYP BL GATE & 11" TOUR CHECK 11,745' 225 180	4,500' 7,011' 9,870' 11,745' BEARINGS / DP 99 NMDC6"//NM PE SHAFFER 5,000 (Ft. K	FOOTAGE 4,420' 2,511' 2,859' 1,875' SEALS/PDC VELOCITY DC 131 DC6"//6-DC' # ANNULAR DEPTH 11248 11343	75.5 39.0 79.5 55.0 GAGE DC OD 6 1/2" S RIG//12HWI J Jul //ATION RECCINC O.3 0.33 0.4	5/15 15/18 15/19 15/18 OTHER DP OD 4 1/2" OP LAST BOP TEST 2015 ORD AZ 104 106.97	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 40	59.6 FPH 64.4 FPH 36.0 FPH 34.1 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60 905



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	LG 12	CUCH 10-					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,180	<u>'</u>	11,738'		435'	12,700'		\$84,517		\$1,366,265		1,383,220	\$4,564,590
County/Parish Uintah				State	SST 8			Drilling Supervisor SCOTT ALL			AFE Days (CWC)	AYS
Present Operatio	on			Utah	331 0			SCOTT ALL	.NED		AFE No.	AIS
	/4 PRODUCT	TION HOLE										029
	me Log											
6:00	15:00	9.0	DRILL 11745' TO	1106/ 210'/	@3/I3 EDH	(5' TO 15	' EI ADE\					
15:00	15:30	0.5	RIG SERVICE	11904 219 (<u>@24.51F11</u>	(3 10 13	TLANL)					
15:30	16:30	1.0	DRILL 11964' TO	12001 37'@	37 FPH	(3' TO 15	' FLARE)					
16:30	19:00	2.5	LOST 340 BBLS, 0									
19:00	6:00	11.0	DRILL 12001' TO	12180' 179' (@16.2 FPH	(2' TO 20)' FLARE)					
GS & MUD I	DISPOSAL, SUF											
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'	0.026	0.0201						
			WASATCH LOWER WASATCH	9,688' 11,632'	9,936'	9,929'						
			FLAGSTAFF	12,600'								
T	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPOR				,	,-							
				GI	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%
11.9	42	14	11	5	13	9.6		16.0%	/88	4	4.7%	0.2%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M			lative
1-32	8.0	0.20	.001	1.29	500	80	12.03	25.0%	\$44,	485	\$172	,076
BIT#	1			CERIAL	ı							
DIT#												
BIT#	CIZE	MCF	TVDE	SERIAL	IETE	DEDTILIN	DAY FND (OUT	TOTAL	TOTAL HOURS	WOR	DDM/MOTOD	non
1	SIZE	MGF	TYPE MSi616	NUMBER	JETS 6-16	DEPTH IN	DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
2	12 1/4"	SMITH	MSi616	NUMBER JJ4442	6-16	80'	4,500'	FOOTAGE 4,420'	75.5	5/15	45/75	59.6 FPH
2	12 1/4" 8 3/4"	SMITH SMITH	MSi616 MDSi516	NUMBER JJ4442 JK 1684	6-16 5-14	80' 4,500'	4,500' 7,011'	FOOTAGE 4,420' 2,511'	75.5 39.0	5/15 15/18	45/75 40/90	59.6 FPH 64.4 FPH
	12 1/4"	SMITH	MSi616	NUMBER JJ4442	6-16	80'	4,500'	FOOTAGE 4,420'	75.5	5/15	45/75	59.6 FPH
2	12 1/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH	MSi616 MDSi516 MDSi616	JJ4442 JK 1684 JH7674	6-16 5-14 6-16	80' 4,500' 7,011'	4,500' 7,011' 9,870'	FOOTAGE 4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90	59.6 FPH 64.4 FPH 36.0 FPH
2 3 4	12 1/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH	MSi616 MDSi516 MDSi616	JJ4442 JK 1684 JH7674	6-16 5-14 6-16	80' 4,500' 7,011' 9,870'	4,500' 7,011' 9,870'	FOOTAGE 4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90	59.6 FPH 64.4 FPH 36.0 FPH
2 3 4 5 6	12 1/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH	MSi616 MDSi516 MDSi616	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16	80' 4,500' 7,011' 9,870' 12,180'	4,500' 7,011' 9,870' 12,180'	FOOTAGE 4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH
2 3 4 5 6 BIT CONDIT	12 1/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 12,180' 0'	4,500' 7,011' 9,870' 12,180'	FOOTAGE 4,420' 2,511' 2,859' 2,310'	75.5 39.0 79.5 76.0	5/15 15/18 15/19 15/25	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT	12 1/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516 MDSi516 OUTER ROWS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 12,180' 0'	4,500' 7,011' 9,870' 12,180'	FOOTAGE 4,420' 2,511' 2,859' 2,310'	75.5 39.0 79.5 76.0	5/15 15/18 15/19 15/25	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT	12 1/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH INNER ROWS	MSi616 MDSi516 MDSi616 MDSi516 MDSi516 OUTER ROWS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION	4,500' 7,011' 9,870' 12,180' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC	75.5 39.0 79.5 76.0	5/15 15/18 15/19 15/25 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT	12 1/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH INNER ROWS	MSi616 MDSi516 MDSi616 MDSi516 MDSi516 OUTER ROWS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 76.0 GAGE	5/15 15/18 15/19 15/25 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT PUMP REPO	12 1/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6"	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION	4,500' 7,011' 9,870' 12,180' BEARINGS /	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC	75.5 39.0 79.5 76.0	5/15 15/18 15/19 15/25 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT	12 1/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH INNER ROWS	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6"	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 76.0 GAGE	5/15 15/18 15/19 15/25 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT PUMP REPC PUMP # 1	12 1/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 76.0 GAGE	5/15 15/18 15/19 15/25 OTHER	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP # 1 2	12 1/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4"	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP 152	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202	75.5 39.0 79.5 76.0 GAGE	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT PUMP REPC PUMP # 1 2	12 1/4" 8 3/4" 8 3/4" 8 3/4" FION ORT	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95	6-16 5-14 6-16 5-22 CHAR.	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP 152	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202	75.5 39.0 79.5 76.0 GAGE	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP # 1 2	12 1/4" 8 3/4" 8 3/4" 8 3/4" FION ORT	SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95	GPM 398 0 398	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP 152	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP# 1 2 BHA TOTAL 64	12 1/4" 8 3/4" 8 3/4" 8 3/4" 100N ORT LENGTH 8.16	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95 OTOR 6.5-1.5	GPM 398 0 398 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450 /6.5 UBHO//I	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP 152 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202 DCG"//6-DC'	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2" SRIG//12HWI	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH PULLED
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP# 1 2 BHA TOTAL 64	12 1/4" 8 3/4" 8 3/4" 8 3/4" 10N 20RT LENGTH 8.16	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95 OTOR 6.5-1.5	G-16 5-14 6-16 5-22 CHAR. GPM 398 0 398 6-7/8-3.515/	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450 /6.5 UBHO//I	4,500' 7,011' 9,870' 12,180' BEARINGS / ANNULAR DP 152 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202 DCC6"//6-DC'	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2" S RIG//12HWI	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2" DP DD LAST BOP TEST 2015 ORD	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH PULLED E 0 PSI L RATE
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP# 1 2 BHA TOTAL 64	12 1/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4" CON CORT LENGTH 8.16 CASING RECOR	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95 OTOR 6.5-1.5 L1" SHAFFER S UNITS	G-16 5-14 6-16 5-22 CHAR. GPM 398 0 398 6-7/8-3.515/	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450 60.5 UBHO//t TOUR CHECK 12,180'	4,500' 7,011' 9,870' 12,180' BEARINGS / DP 152 NMDC6"//NM	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202 DDC6"//6-DC' # ANNULAR DEPTH	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2" S RIG//12HWI 1 Jul //ATION RECC	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD AZ	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH I PULLED E 0 PSI L RATE PUMP 2
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP # 1 2 BHA TOTAL 64	12 1/4" 8 3/4" 8 3/4" 8 3/4" 10 N ORT LENGTH 8.16 CASING RECOR DEF PROPOSED	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MSi616 MDSi516 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95 OTOR 6.5-1.5 L1" SHAFFER S UNITS 4,480	G-16 5-14 6-16 5-22 CHAR. GPM 398 0 398 5-7/8-3.515/	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450 6.5 UBHO//t GOP MAKE & TYP BL GATE & 11" TOUR CHECK 12,180' 230	4,500' 7,011' 9,870' 12,180' BEARINGS / DP 152 NMMDC6"//NM E SHAFFER 5,000 Ft. K	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202 DC6"//6-DC' #ANNULAR DEPTH 11724	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2" S RIG//12HWG J Jul //ATION RECCINC INC 0.66	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD AZ 142.06	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	E O PSI L RATE PUMP 2 SPM/PSI
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP # 1 2 BHA TOTAL 64 SIZE 9 5/8	12 1/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4" CON CON CON CON CON CON CON CO	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95 OTOR 6.5-1.5 11" SHAFFEE S UNITS 4,480 4,778	G-16 5-14 6-16 5-22 CHAR. GPM 398 0 398 0 398 DEPTH PICK UP SLACK OFF	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450 /6.5 UBHO//I GOP MAKE & TYP BL GATE & 11" TOUR CHECK 12,180' 230 185	4,500' 7,011' 9,870' 12,180' BEARINGS / DP 152 NMDC6"//NM E SHAFFER 5,000 Ft. K	## ANNULAR ## DEPTH 11724 11819	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2" S RIG//12HWI J Jul //ATION RECC INC 0.66 0.59	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2" DP OD 4 1/2" DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 40	E O PSI L RATE PUMP 2 SPM/PSI 60
2 3 4 5 6 BIT CONDIT PUMP REPO PUMP # 1 2 BHA TOTAL 64	12 1/4" 8 3/4" 8 3/4" 8 3/4" 10 N ORT LENGTH 8.16 CASING RECOR DEF PROPOSED	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MSi616 MDSi516 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS PEAK GAS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95 OTOR 6.5-1.5 L1" SHAFFER S UNITS 4,480	G-16 5-14 6-16 5-12 CHAR. GPM 398 0 398 0 398 DEPTH PICK UP SLACK OFF ROTATING	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450 /6.5 UBHO//I GOP MAKE & TYP BL GATE & 11" TOUR CHECK 12,180' 230 185 202	4,500' 7,011' 9,870' 12,180' BEARINGS / DP 152 NMMDC6"//NM E SHAFFER 5,000 Ft. K K K	FOOTAGE 4,420' 2,511' 2,859' 2,310' SEALS/PDC VELOCITY DC 202 D# ANNULAR DEPTH 11724 11819 11914	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2" S RIG//12HWI J Jul //IATION RECC INC 0.66 0.59 0.66	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2" DP OD 4 1/2" LAST BOP TEST 2015 RD AZ 142.06 128.9 135.6	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 40 650	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60 1100
2 3 4 5 6 BIT CONDIT PUMP # 1 2 BHA TOTAL 64	12 1/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4" CON CASING RECOR PROPOSED 4,500' 12,700'	MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT W/	MSi616 MDSi516 MDSi616 MDSi516 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-14s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	NUMBER JJ4442 JK 1684 JH7674 JJ 1516 DULL SPM 95 0 95 OTOR 6.5-1.5 11" SHAFFEE S UNITS 4,480 4,778	G-16 5-14 6-16 5-22 CHAR. GPM 398 0 398 0 398 DEPTH PICK UP SLACK OFF	80' 4,500' 7,011' 9,870' 12,180' 0' LOCATION PRESSURE 2,450 /6.5 UBHO//I GOP MAKE & TYP BL GATE & 11" TOUR CHECK 12,180' 230 185	4,500' 7,011' 9,870' 12,180' BEARINGS / DP 152 NMDC6"//NM E SHAFFER 5,000 Ft. K	## ANNULAR ## DEPTH 11724 11819	75.5 39.0 79.5 76.0 GAGE DC OD 6 1/2" S RIG//12HWI J Jul //IATION RECC INC 0.66 0.59 0.66	5/15 15/18 15/19 15/25 OTHER DP OD 4 1/2" DP OD 4 1/2" DP OD 4 1/2"	45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 40	59.6 FPH 64.4 FPH 36.0 FPH 30.4 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60 1100 HONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	LG 13	CUCH 10-					SOUTH AL	TAMONT			12 Jul	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,305	<u>'</u>	12,298'		125'	12,700'		\$76,776		\$1,443,042		1,383,220	\$4,564,590
County/Parish Uintah	ļ			State Utah	SST 8			Drilling Supervisor SCOTT ALL			AFE Days (CWC) 21 D	Ανς
Present Operation	on			Otali	331 0			JCOTT ALL	INLU		AFE No.	AIJ
LOST CIRC	CULATION, E	UILD VOL	UME AND PUN	/IP 12.4 PP	G MUD W/	25% LCM [OWN HOL	E			140)29
	ne Log	Her										
6:00	To 13:00	7.0	DRILL 12180' TO	12268' 88' @	12 5 FPH	(2' TO 20'	FLARF)					
13:00	14:00	1.0	CODE 8 ELECTRIC	_	12.51111	12 10 20	1 2 11(2)					
14:00	18:00	4.0	DRILL 12268' TO		9.2 FPH	(2' TO 5' FI	ARE) 12.3+ N	ЛW				
18:00	6:00	12.0	LOST 700 BBLS B	UILD VOLUM	E AND WORK	PIPE CYCLE P	UMP EVERY 1	5 MIN. TO KE	EP PIPE FROM	1 PLUGGING		
			START PUMPING	12.4 MW 40	VIS @ 01:30	@ SLOW PUN	1P RATE OF 62	2 STROKES @	250 GPM, PU	MPED AWAY	570 BBLS	
			03:00 BUILD VOL	UME AND CY	CLE PUMPS E	VERY 15 MIN						
GS & MUD [DISPOSAL, SUF											
			LIDDED CDEEN DIV	PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV WASATCH	8,566' 9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'	3,330	3,323						
			FLAGSTAFF	12,600'								
TO	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPOF	RT											
				GI	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
12.4	40											
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM 25.0%	Daily M		Cumu \$210	
BIT#								23.070	,30,t	520	, J210	,302
D11 II	T			SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH
5						12,305'						
6	1011					0'						
BIT CONDITI	ION	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARINGS /	SEALS/PDC	GAGE	OTHER	REASON	PULLED
PUMP REPO	207											
	JKI											
	JKI		LINER				ANNULAR	VELOCITY				
PUMP#	JKI	MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR DP	VELOCITY	DC OD	DP OD	HOLE	
PUMP#	JKI	MODEL H&H F-1600	SIZE	SPM 60	GPM 251	PRESSURE 1,000			DC OD 6 1/2"	DP OD 4 1/2"	HOLE 8 3/4"	
	JRI		SIZE 6"									
1 2		H&H F-1600 H&H F-1600	SIZE 6" 6" TOTAL	60	251							
1 2 BHA TOTAL	LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	60 0 60	251 0 251	1,000	DP	DC	6 1/2"	4 1/2"		
1 2 BHA TOTAL		H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL	60 0 60	251 0 251	1,000	DP	DC	6 1/2"	4 1/2"		
1 2 BHA TOTAL	LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	60 0 60	251 0 251 5-7/8-3.515/	1,000 /6.5 UBHO//I	DP NMDC6"//NM	DC	6 1/2" S RIG//12HW	4 1/2 "	8 3/4"	
1 2 BHA TOTAL	LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	60 0 60 OTOR 6.5-1.5	251 0 251 5-7/8-3.515/	1,000 /6.5 UBHO//I	DP NMDC6"//NM	DC	6 1/2" S RIG//12HWI	4 1/2" OP LAST BOP TEST	8 3/4" DATE & PRESSURI	
1 2 BHA TOTAL 64	LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION 75-145 //MUD M	60 0 60 OTOR 6.5-1.5	251 0 251 5-7/8-3.515/	1,000 /6.5 UBHO//I	NMDC6"//NM	DC DC6"//6-DC	6 1/2" S RIG//12HWI	4 1/2" DP LAST BOP TEST 2015	8 3/4" DATE & PRESSURI 5,00	O PSI
1 2 BHA TOTAL 64	LENGTH 18.16 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION 75-145 //MUD M	60 0 60 OTOR 6.5-1.5	251 0 251 5-7/8-3.515/	1,000 /6.5 UBHO//I OP MAKE & TYP BL GATE & 11" TOUR CHECK	DP NMDC6"//NM E SHAFFER 5,000	DC6"//6-DC' D# ANNULAR DE	6 1/2" S RIG//12HWI 1 Jul 1	4 1/2" DP LAST BOP TEST 2015 DRD	8 3/4" DATE & PRESSURI 5,00 SPR/KII	O PSI L RATE
1 2 BHA TOTAL 64	LENGTH 18.16 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/ D	SIZE 6" 6" TOTAL CRIPTION 75-14s //MUD M TOTAL DRILL GA GAS	60 0 60 OTOR 6.5-1.5	251 0 251 5-7/8-3.515/	1,000 /6.5 UBHO//I OP MAKE & TYP BL GATE & 11" TOUR CHECK	NMDC6"//NM e SHAFFER 5,000	DE DEPTH	6 1/2" S RIG//12HWI 1 Jul 2 //ATION RECC	4 1/2" DP LAST BOP TEST 2015 DRD AZ	8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1	D PSI L RATE PUMP 2
1 2 BHA TOTAL 64	LENGTH 18.16 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION 75-145 //MUD M	60 0 60 OTOR 6.5-1.5	251 0 251 5-7/8-3.515/	1,000 /6.5 UBHO//I OP MAKE & TYP BL GATE & 11" TOUR CHECK	DP NMDC6"//NM E SHAFFER 5,000	DC6"//6-DC' D# ANNULAR DE	6 1/2" S RIG//12HWI 1 Jul 1	4 1/2" DP LAST BOP TEST 2015 DRD	8 3/4" DATE & PRESSURI 5,00 SPR/KII	O PSI L RATE
1 2 BHA TOTAL 64	LENGTH 18.16 CASING RECOR DEF PROPOSED	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/ D D TH ACTUAL	SIZE 6" 6" TOTAL CRIPTION 75-14s //MUD M TOTAL DRILL GA GAS BACKGROUND	60 0 60 OTOR 6.5-1.5	251 0 251 5-7/8-3.515/ 8 LWS 5,000# D DEPTH PICK UP	1,000 /6.5 UBHO//I OP MAKE & TYP BL GATE & 11" TOUR CHECK	NMDC6"//NW SHAFFER 5,000 Ft. K	DEPTH 11819	6 1/2" S RIG//12HWI 1 Jul //ATION RECC	4 1/2" LAST BOP TEST 2015 DRD AZ 128.9	8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI	L RATE PUMP 2 SPM/PSI
1 2 BHA TOTAL 64 C	LENGTH 18.16 CASING RECOR DEF PROPOSED 4,500'	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/ D D TH ACTUAL	SIZE 6" 6" TOTAL CRIPTION 75-14s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	60 0 60 OTOR 6.5-1.5	251 0 251 6-7/8-3.515/ B R LWS 5,000# D DEPTH PICK UP SLACK OFF	1,000 /6.5 UBHO//I OP MAKE & TYP BL GATE & 11" TOUR CHECK	NMDC6"//NM E SHAFFER 5,000 Ft. K	DE DEPTH 11819 11914	6 1/2" S RIG//12HWI 1 Jul : //ATION RECCINC INC 0.59 0.66	4 1/2" LAST BOP TEST 2015 DRD AZ 128.9 135.6	8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI	D PSI L RATE PUMP 2 SPM/PSI 60



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
DRI	LG 14	CUCH 10-	17-2-1E				SOUTH AL	TAMONT			13 Ju	2015
MD	_	TVD	1	Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,305 County/Parish	<u>'</u>	12,298'		O' State	12,700'		\$46,506	Dalling Consender	\$1,489,548	3	1,383,220 AFE Days (CWC)	\$4,564,590
Uintah	I			Utah	SST 8			Drilling Superviso SCOTT ALI				AYS
Present Operatio	n			O tun	100.0			50011712			AFE No.	,,,,,
		OLE ATTEN	MPING TO GET	RETURNS	PULL 15 ST	ANDS AT A	TIME				140	029
From	ne Log To	Hrs										
6:00	8:00	2.0	CUT MW BACK T	O 12.0 AND E	BUILD VOLUM	E						
8:00	9:00	1.0	PULL 10 STANDS	TO 11423								
9:00	15:00	6.0	LOST CIRCULATION					6 BBLS AWA	Y, BUILD VOLU	IME, PUMP 1	72 BBL AWAY	
15:00	17:30	2.5	PUMP DRY JOB A			D VOLUME PL	JMP 182 BBL					
17:30	19:30	2.0	PULL 5 STANDS A		ET RETURNS							
19:30 1:00	1:00 2:00	5.5 1.0	BUILD VOLUME,									
2:00	6:00	4.0	STAGE OUT OF T			SET RETURNS	PULL 15 STAN	IDS AT A TIM	E			
2.00	0.00											
	1											
	1											
IGS & MIID I	 DISPOSAL, SUF											
,	2. 33. 12, 331											
					1	ı						
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
	+		LOWER GREEN RIV	8,566'	0.0261	0.0201						
			WASATCH LOWER WASATCH	9,688' 11,632'	9,936'	9,929'						
			FLAGSTAFF	12,600'								
T	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPOI												
				G	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
11.8	41	13	10	10		15.0		14.0%				
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	20.0%	Daily M	ud Cost	\$215	lative
BIT#								20.0%	\$4,0	010	\$215	,320
ВП #				SERIAL								
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH
5						12,305'						
6 BIT CONDIT	TON			51111		0'		(2127			
BIT CONDIT	ION	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARINGS /	SEALS/PDC	GAGE	OTHER	REASON	PULLED
PUMP REPO	ORT											
			LINER				ANNULAR	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		60	251				6 1/2"	4 1/2"	8 3/4"	
2		H&H F-1600		0	0		<u> </u>					
			TOTAL	60	251							
BHA TOTAL		BHA #2 DES		0702.6	7/0.0.7	Vic. E. v. E. v. E. v.	III AD COULT	ID CC!! / / = =	Is nic //a - : :			
64	8.16	8 3/4 BIT w/	<mark>/ 5-14s //MUD M</mark>	OTOR 6.5-1.5	o-//8-3.515/	/6.5 UBHO//I	NMDC6"//NN	DC6"//6-DC ^י	S RIG//12HW	אט		
						OD MAKE O TO	c			LACT DOD TECT	DATE & DESCRIP	
				11" SHAFFFI	R LWS 5,000# D	BOP MAKE & TYP		O# ANNUI AR	1 Jul	2015	DATE & PRESSUR 5.00	O PSI
	CASING RECOR	D	TOTAL DRILL GA			TOUR CHECK			VIATION RECO		<u> </u>	L RATE
			GAS	UNITS	DEPTH		Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
C	DEI	10	GAS									
SIZE	DEI PROPOSED	ACTUAL	BACKGROUND	185	PICK UP		К				SPM/PSI	SPM/PSI
					PICK UP SLACK OFF		K K				SPM/PSI 40	SPM/PSI 60
SIZE	PROPOSED	ACTUAL	BACKGROUND		1							•
SIZE 9 5/8	4,500 ¹ 12,700 ¹	ACTUAL	BACKGROUND CONN GAS	185	SLACK OFF		K				40	60 PHONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
DRI	LG 15	CUCH 10-	L7-2-1E				SOUTH AL	TAMONT			14 Jul	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,305	; <mark>'</mark>	12,298'		0'	12,700'		\$39,606		\$1,529,154		1,383,220	\$4,564,590
County/Parish	1			State	Rig			Drilling Supervisor			AFE Days (CWC)	
Uintah				Utah	SST 8			SCOTT ALL	RED/MIKE	SITTON	21 D	AYS
Present Operatio											AFE No.	20
	10 STANDS me Log	<u> </u>									140)29
From	To	Hrs										
6:00	13:00	7.0	TRIP OUT ATTEM	IPTED TO CIR	C.@6071' LOS	T 75 BBLS/42	.62' LOST 35 E	BLS/3310' LC	OST 35' / 2552	LOST 14 BB	LS./ 740' CIRCL	LATE HOLE
13:00	15:00	2.0	FINISH TRIP OUT	LAY DOWN [DIRECTIONAL .	TOOLS						
15:00	18:00	3.0	MAKE UP BIT AN	D MOTOR, RI	JN TO TOP OF	HWDP CIRC.	HOLE					
18:00	20:30	2.5	STAGE IN THE HO	DLE FILL AND	CIRCULATE E	/ERY 5 STAND	S					
20:30	23:00	2.5	SHUT IN AND MO	ONITER PRESS	SURE/STRIP IN	I TO SHOE						
23:00	2:30	3.5	CIRC. THRU CHO	KE FOR BOTT	OMS UP , AT :	12.1 MW						
2:30	3:30	1.0	STRIP IN 10 STAN									
3:30	5:00	1.5	CIRC. THRU CHO	KE FOR BOTT	OMS UP , AT :	12.1 MW						
5:00	6:00	1.0	STRIP IN 10 STAN	IDS								
	1											
	1											
IGS & MUD	DISPOSAL, SUF											
	-											
					ı							
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIVI	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'	0.0051	0.0001						
			WASATCH	9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'								
_	OTAL HOURS	24.0	FLAGSTAFF	12,600'	42.076							
MUD REPO	OTAL HOURS:	24.0	TD	12,700'	12,876'							
IVIUD REPU	KI			C	ELS	FLUE	1000	COLIDE	0/14	DAR	LOW GRAVITY	CAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	LOSS HPHT	SOLIDS %	0/W %	DAP PPB	%	SAND %
12.1	41	13	14	4	11	15.0	пент	15.0%	/85	0	76	76
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M		Cumu	lativo
CAINE	FII	FIVI		IVII	CL	HANDINESS	LCD	20.0%	\$8.0		\$223	
BIT#								20.070	40)		<u> </u>	,0 10
				SERIAL								
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH
5	9 3/4"	SMITH	MDSi517	JH2907	5-23	12,305'	,_,_	-12,305'	J., J	,	.0,.0	
6						0'		_,				
BIT CONDIT	TION	INNER ROWS	OUTER ROWS	DUIT	CHAR.	LOCATION	BEARINGS /	SEALS/PDC	GAGE	OTHER	REASON	PULLED
	#4	1	2		C	S		OC .	ı	ВС	MUD	
PUMP REPO	ORT											
	<u> </u>		LINER				ANNULAR	VELOCITY				
PUMP#		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR DP	VELOCITY	DC OD	DP OD	HOLE	
PUMP#		MODEL H&H F-1600	SIZE	SPM O	GPM 0	PRESSURE			DC OD 6 1/2"	DP OD 4 1/2"	HOLE 8 3/4"	
			SIZE 6''			PRESSURE						
1		H&H F-1600	SIZE 6''	0	0	PRESSURE						
1 2		H&H F-1600	SIZE 6" 6" TOTAL	0 0	0	PRESSURE						
1 2 BHA TOTAL		H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL	0 0 0	0 0 0		DP					
1 2 BHA TOTAL	. LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	0 0 0	0 0 0		DP					
1 2 BHA TOTAL	. LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	0 0 0	0 0 0 5-7/8-3.515/		DP 12HWDP		6 1/2"	4 1/2"		
1 2 BHA TOTAL	. LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	0 0 0 OTOR 6.5-1.5	0 0 0 5-7/8-3.515/	/6-DC'S RIG//	DP 12HWDP	DC	6 1/2"	4 1/2" LAST BOP TEST	8 3/4" DATE & PRESSURI	E D PSI
1 2 BHA TOTAL 58	. LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION	0 0 0 OTOR 6.5-1.5	0 0 0 5-7/8-3.515/	/6-DC'S RIG//	DP 12HWDP E SHAFFER 5,000	DC DH ANNULAR	6 1/2"	4 1/2" LAST BOP TEST 2015	8 3/4" DATE & PRESSURI	O PSI
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M	0 0 0 OTOR 6.5-1.5	0 0 0 5-7/8-3.515/	/6-DC'S RIG// SOP MAKE & TYP IBL GATE & 11" TOUR CHECK	DP 12HWDP E SHAFFER 5,000	DC DH ANNULAR	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015	8 3/4" DATE & PRESSURI 5,00	O PSI
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M	0 0 0 OTOR 6.5-1.5	0 0 0 5-7/8-3.515/	/6-DC'S RIG// SOP MAKE & TYP IBL GATE & 11" TOUR CHECK	DP 12HWDP E SHAFFER 5,000	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KII	O PSI L RATE
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS	0 0 0 OTOR 6.5-1.5 11" SHAFFER S UNITS	0 0 0 5-7/8-3.515/ 8 R LWS 5,000# D	/6-DC'S RIG// SOP MAKE & TYP IBL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,000	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KII PUMP 1	D PSI L RATE PUMP 2
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR DEI PROPOSED	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/ D D PTH ACTUAL	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND	0 0 0 OTOR 6.5-1.5 11" SHAFFER S UNITS	0 0 0 5-7/8-3.515/ 8 R LWS 5,000# D DEPTH PICK UP	/6-DC'S RIG// SOP MAKE & TYP IBL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,000 Ft. K	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KIL PUMP 1 SPM/PSI	L RATE PUMP 2 SPM/PSI
1 2 BHA TOTAL 58 SIZE 9 5/8	LENGTH 83.5 CASING RECOR DEI PROPOSED 4,500'	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/ D D PTH ACTUAL	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	0 0 0 OTOR 6.5-1.5 11" SHAFFEI S UNITS	0 0 0 5-7/8-3.515/ B R LWS 5,000# D DEPTH PICK UP SLACK OFF	/6-DC'S RIG// SOP MAKE & TYP IBL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,000 Ft. K	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KIL PUMP 1 SPM/PSI	D PSI L RATE PUMP 2 SPM/PSI 60



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
DRLO	G 16	CUCH 10-					SOUTH AL	TAMONT			15 Jul	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,305'	1	12,298'		0'	12,700'		\$51,574	Dalling Consented	\$1,580,728	3	1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			Drilling Supervisor	.RED/MIKE	SITTON	AFE Days (CWC) 21 D	Ανς
Present Operation				Otan	331 0			JCOTT ALL	INCO/ WINKE	3111011	AFE No.	,A13
STRIP IN W		HING TO B	ОТТОМ								140	029
Time From	Log To	Hrs										
6:00	6:30	0.5	STRIP IN 10 STAN	NDS								
6:30	7:00	0.5	CODE 8 MUD SYS	STEM TIGHTE	N CONN. ON	STAND PIPE/k	ELLY HOSE					
7:00	8:30	1.5	REPAIR IGNITOR	ON FLARE ST	ACK							
8:30	10:30	2.0	CIRC. GAS THRO									
10:30	11:30	1.0	STRIP 15 STAND									
11:30 13:30	13:30 14:00	2.0 0.5	CIRC. GAS THRO	UGH CHOKE								
14:00	15:00	1.0	STRIP 15 STAND	TO 9329"								
15:00	17:30	2.5	CIRC. GAS THRO									
17:30	18:30	1.0	STRIP 15 STAND									
18:30	22:30	4.0	CIRC. GAS THRO	UGH CHOKE								
22:30	1:30	3.0	STRIP 15 STAND									
1:30	4:00	2.5	WORK ON FLARE									
4:00	6:00	2.0	STRIP IN WHILE	WASHING TO	воттом							
+			25' TO 35' FLARE									
IGS & MUD DI	ISPOSAL SUR		23 10 33 FLAKE									
	.s. 55/1E, 50/											
					1							
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'	0.0361	0.020						
			WASATCH LOWER WASATCH	9,688' 11,632'	9,936'	9,929'						
			FLAGSTAFF	12,600'								
то	TAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPORT	Т											
				GI	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
12.1	41	13	14	4	11	15.0		15.0% LCM	/85	0		
			PF									
CAKE	PH	PM		MF	CL	HARDNESS	ECD			ud Cost	Cumu \$234	
	РН	PM		MF	CL	HARDNESS	ECD	20.0%	\$10,		\$234	
	РН	PM		MF	CL	HARDNESS	ECD	20.0%				
	SIZE	PM MGF	ТҮРЕ		JETS	DEPTH IN	ECD DAY END/OUT	20.0% TOTAL				
BIT#				SERIAL				20.0% TOTAL	\$10,	510	\$234	,056
BIT # BIT # 1 2	SIZE 12 1/4" 8 3/4"	MGF SMITH SMITH	TYPE MSi616 MDSi516	SERIAL NUMBER JJ4442 JK 1684	JETS	DEPTH IN 80' 4,500'	DAY END/OUT 4,500' 7,011'	TOTAL FOOTAGE	\$10, TOTAL HOURS 75.5 39.0	WOB 5/15 15/18	\$234 RPM/MOTOR 45/75 40/90	ROP 59.6 FPH 64.4 FPH
BIT # BIT # 1 2 3	SIZE 12 1/4" 8 3/4" 8 3/4"	MGF SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi616	SERIAL NUMBER JJ4442 JK 1684 JH7674	JETS 6-16 5-14 6-16	DEPTH IN 80' 4,500' 7,011'	DAY END/OUT 4,500' 7,011' 9,870'	TOTAL FOOTAGE 4,420' 2,511' 2,859'	\$10, TOTAL HOURS 75.5 39.0 79.5	WOB 5/15 15/18 15/19	\$234 RPM/MOTOR 45/75 40/90 40/90	ROP 59.6 FPH 64.4 FPH 36.0 FPH
BIT # BIT # 1 2 3 4	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4"	MGF SMITH SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi616 MDSi516	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516	JETS 6-16 5-14 6-16 5-22	DEPTH IN 80' 4,500' 7,011' 9,870'	DAY END/OUT 4,500' 7,011'	TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435'	\$10, TOTAL HOURS 75.5 39.0	WOB 5/15 15/18	\$234 RPM/MOTOR 45/75 40/90	ROP 59.6 FPH 64.4 FPH
BIT # BIT # 1 2 3 4 5	SIZE 12 1/4" 8 3/4" 8 3/4"	MGF SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi616	SERIAL NUMBER JJ4442 JK 1684 JH7674	JETS 6-16 5-14 6-16	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305'	DAY END/OUT 4,500' 7,011' 9,870'	TOTAL FOOTAGE 4,420' 2,511' 2,859'	\$10, TOTAL HOURS 75.5 39.0 79.5	WOB 5/15 15/18 15/19	\$234 RPM/MOTOR 45/75 40/90 40/90	ROP 59.6 FPH 64.4 FPH 36.0 FPH
BIT# BIT# 1 2 3 4 5 6	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516 MDSi516 MDSi517	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	JETS 6-16 5-14 6-16 5-22 5-23	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0'	DAY END/OUT 4,500' 7,011' 9,870' 12,305'	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305'	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0	wos 5/15 15/18 15/19 15/25	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # BIT # 1 2 3 4 5 6	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi616 MDSi516	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	JETS 6-16 5-14 6-16 5-22	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305'	DAY END/OUT 4,500' 7,011' 9,870' 12,305'	TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435'	\$10, TOTAL HOURS 75.5 39.0 79.5	WOB 5/15 15/18 15/19	\$234 RPM/MOTOR 45/75 40/90 40/90	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITIO	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH	MSi616 MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION	DAY END/OUT 4,500' 7,011' 9,870' 12,305'	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305'	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0	WOB 5/15 15/18 15/19 15/25	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITION #4 PUMP REPORE	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE	WOB 5/15 15/18 15/19 15/25 OTHER BC	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITIO	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL CO	JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I	WOB 5/15 15/18 15/19 15/25 OTHER BC	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITIC ## PUMP REPOR	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6"	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE	WOB 5/15 15/18 15/19 15/25 OTHER BC	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITION #4 PUMP REPOR	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6"	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I	WOB 5/15 15/18 15/19 15/25 OTHER BC	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # BIT # 1 2 3 4 5 6 BIT CONDITION #4 PUMP REPORE PUMP # 1 2	SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" 6"	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I	WOB 5/15 15/18 15/19 15/25 OTHER BC	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITION #4 PUMP REPOR PUMP # 1 2 BHA TOTAL L	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 H&H F-1600 BHA #2 DES	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" TOTAL CRIPTION	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL C	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAE DP	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I	WOB 5/15 15/18 15/19 15/25 OTHER BC	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITION #4 PUMP REPOR	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 H&H F-1600 BHA #2 DES	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" 6"	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL C	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAE DP	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I	WOB 5/15 15/18 15/19 15/25 OTHER BC	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITION #4 PUMP REPOR PUMP # 1 2 BHA TOTAL L	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 H&H F-1600 BHA #2 DES	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" TOTAL CRIPTION	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL C	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0 0 0 5-7/8-3.515/	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAR DP	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE DC OD 6 1/2"	WOB 5/15 15/18 15/19 15/25 OTHER BC DP OD 4 1/2"	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITION #4 PUMP REPOR PUMP # 1 2 BHA TOTAL L	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 H&H F-1600 BHA #2 DES	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" TOTAL CRIPTION	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL CO SPM 0 0 0 OTOR 6.5-1.5	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0 0 0 5-7/8-3.515/	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S PRESSURE /6-DC'S RIG//	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAF DP	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' / SEALS/PDC DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE DC OD 6 1/2"	WOB 5/15 15/18 15/19 15/25 OTHER BC DP OD 4 1/2"	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N HOLE 8 3/4"	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
BIT # 1 2 3 4 5 6 BIT CONDITION ## PUMP REPOR PUMP # 1 2 BHA TOTAL L 583	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" ON 4 RT ENGTH 3.5	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" 6" TOTAL CRIPTION 75-22s //MUD M	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL CO SPM 0 0 0 OTOR 6.5-1.5	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0 0 0 5-7/8-3.515/	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S PRESSURE /6-DC'S RIG//	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAF DP 12HWDP E SHAFFER 5,00	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' VELOCITY DC 0# ANNULAR DE\	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I DC OD 6 1/2" 1 Jul VIATION RECC	WOB 5/15 15/18 15/19 15/25 OTHER BC DP OD 4 1/2" LAST BOP TEST 2015 DRD	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH PULLED MOTOR
BIT # 1 2 3 4 5 6 BIT CONDITION ## PUMP REPOR PUMP# 1 2 BHA TOTAL L 583	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" ON 4 RT ENGTH 3.5	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 BHA #2 DES: 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" 6" TOTAL CRIPTION 75-22s //MUD M	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL CO SPM 0 0 0 OTOR 6.5-1.5 11" SHAFFEE S UNITS	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0 0 0 5-7/8-3.515/	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S PRESSURE /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK 12,305'	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAF DP 12HWDP E SHAFFER 5,00	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' VELOCITY DC	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I DC OD 6 1/2"	WOB 5/15 15/18 15/19 15/25 OTHER BC DP OD 4 1/2" LAST BOP TEST 2015	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH PULLED MOTOR
BIT # BIT # 1 2 3 4 5 6 BIT CONDITION ## PUMP REPOR PUMP # 1 2 BHA TOTAL L 583	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" ON 4 RT ENGTH 3.5 ASING RECOR DEF PROPOSED	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" TOTAL CRIPTION 75-22s //MUD M TOTAL DRILL GA GAS BACKGROUND	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL CO SPM 0 0 0 OTOR 6.5-1.5	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0 0 0 5-7/8-3.515/	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S PRESSURE /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK 12,305'	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAF DP 12HWDP E SHAFFER 5,00 Ft. K	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' VELOCITY DC 0# ANNULAR DE\	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I DC OD 6 1/2" 1 Jul VIATION RECC	WOB 5/15 15/18 15/19 15/25 OTHER BC DP OD 4 1/2" LAST BOP TEST 2015 DRD	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KIL PUMP 1 SPM/PSI	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH PULLED MOTOR E 0 PSI L RATE PUMP 2 SPM/PSI
BIT # BIT # 1 2 3 4 5 6 BIT CONDITION ## PUMP REPOR PUMP # 1 2 BHA TOTAL L 583	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" ON 4 RT ENGTH 3.5 ASING RECOR DEF PROPOSED 4,500'	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 BHA #2 DES: 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" TOTAL CRIPTION 75-22s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL C SPM 0 0 0 OTOR 6.5-1.5 11" SHAFFEE S UNITS 185	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0 0 0 5-7/8-3.515/	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S PRESSURE /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK 12,305'	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAF DP 12HWDP E SHAFFER 5,00 Ft. K K	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' VELOCITY DC 0# ANNULAR DE\	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I DC OD 6 1/2" 1 Jul VIATION RECC	WOB 5/15 15/18 15/19 15/25 OTHER BC DP OD 4 1/2" LAST BOP TEST 2015 DRD	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH PULLED MOTOR
BIT # 1 2 3 4 5 6 BIT CONDITION ## PUMP REPOR PUMP # 1 2 BHA TOTAL L 583	SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" ON 4 RT ENGTH 3.5 ASING RECOR DEF PROPOSED	MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS 1 MODEL H&H F-1600 BHA #2 DES 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS 2 LINER SIZE 6" 6" TOTAL CRIPTION 75-22s //MUD M TOTAL DRILL GA GAS BACKGROUND	SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL CO SPM 0 0 0 OTOR 6.5-1.5 11" SHAFFEE S UNITS	JETS 6-16 5-14 6-16 5-22 5-23 CHAR. CC GPM 0 0 0 0 5-7/8-3.515/	DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 0' LOCATION S PRESSURE /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK 12,305'	DAY END/OUT 4,500' 7,011' 9,870' 12,305' BEARINGS, PI ANNULAF DP 12HWDP E SHAFFER 5,00 Ft. K	20.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' -12,305' VELOCITY DC 0# ANNULAR DE\	\$10, TOTAL HOURS 75.5 39.0 79.5 87.0 GAGE I DC OD 6 1/2" 1 Jul VIATION RECC	WOB 5/15 15/18 15/19 15/25 OTHER BC DP OD 4 1/2" LAST BOP TEST 2015 DRD	\$234 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON MUD N HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KIL PUMP 1 SPM/PSI	ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH PULLED MOTOR E 0 PSI L RATE PUMP 2 SPM/PSI 60



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

		Lease and Well N	0.				Prospect/Field				Date	
DR	LG 17	CUCH 10-1	17-2-1E				SOUTH AL	TAMONT			16 Ju	l 2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,635	<mark>;'</mark>	12,627'		330'	12,700'		\$43,182		\$1,623,910)	1,383,220	\$4,564,590
County/Parish	1	,-		State	Rig			Drilling Supervisor			AFE Days (CWC)	+ 1/22 1/222
Uintah				Utah	SST 8			SCOTT ALL	RED/MIKE	SITTON	21 🛭	DAYS
Present Operatio					•						AFE No.	
DRILL PRO	ODUCTION H	HOLE									140	029
	me Log											
From	To O	Hrs	CTDID IN MALLIE I	AVACUUNIC TO	DOTTONA							
6:00	8:00	2.0	STRIP IN WHILE									
8:00	13:00	5.0	DRILL 12305' TO	124/1 166	@ 33.2 FPH							
13:00	13:30	0.5	RIG SERVICE	125461 751 6	25 0 FDU							
13:30	16:30	3.0	DRILL 12471' TO	_		FW OUT CAC	VET ON ELOV	/ LINE DADDI	E CHILE IN NA	FIL M// 10 DI	N. CAIN	
16:30	18:00	1.5	UNPLUG FLOW L					LINE PADDL	E, SHUT IN W	ELL W/ 10 Bt	BL GAIN	
18:00	19:00	1.0	SHUT IN WELL SI			ET ON FLOW	LINE					
19:00	6:00	11.0	DRILL 12546' TO	12635 89 @	9 8.0 FPH							
	+											
IGS & MUD	DISPOSAL, SUF											
<u> </u>												
<u> </u>					,		1					
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
			WASATCH	9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'								
			FLAGSTAFF	12,600'								
T	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPOI	RT											
				GI	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW			YP					%	%	PPB		
14144	VIS	PV	1 17	INITIAL	10 MIN	API	HPHT	70	70		%	%
11.7	VIS 43	PV 11	13	6	10 MIN 7	API 8.0	НРНТ	16.0%	3/81	3	%	% 0.2%
							HPHT ECD		3/81			
11.7	43	11	13	6	7	8.0		16.0%	3/81	3 lud Cost		0.2% Ilative
11.7 CAKE	43 PH	11 PM	13 PF	6 MF	7 CL	8.0 HARDNESS	ECD	16.0% LCM	3/81 Daily M	3 lud Cost	Cumu	0.2% Ilative
11.7 CAKE 2-32	43 PH	11 PM	13 PF	6 MF	7 CL	8.0 HARDNESS	ECD	16.0% LCM 25.0%	3/81 Daily M	3 lud Cost	Cumu	0.2% Ilative
11.7 CAKE 2-32 BIT #	43 PH 8.5	11 PM 0.00	13 PF 0	6 MF 0.4	7 CL 400	8.0 HARDNESS 60	ECD 11.8	16.0% LCM	3/81 Daily M \$10,	3 lud Cost 766	\$244	0.2% Ilative 1,822
11.7 CAKE 2-32 BIT #	43 PH 8.5	11 PM 0.00	13 PF	6 MF 0.4 SERIAL NUMBER	7 CL 400	8.0 HARDNESS 60 DEPTH IN	ECD 11.8	16.0% LCM 25.0% TOTAL FOOTAGE	3/81 Daily M \$10,	3 Jud Cost 766 WOB	Cumu \$244 RPM/MOTOR	0.2% dative ,822
11.7 CAKE 2-32 BIT # BIT #	43 PH 8.5 SIZE 12 1/4"	PM 0.00 MGF	13 PF 0 TYPE MSi616	6 MF 0.4 SERIAL NUMBER JJ4442	7 CL 400	8.0 HARDNESS 60 DEPTH IN 80'	ECD 11.8 DAY END/OUT 4,500'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420'	3/81 Daily M \$10,	3 Jud Cost 766 WOB 5/15	Cumu \$244 RPM/MOTOR 45/75	0.2% alative ,822 ROP 59.6 FPH
11.7 CAKE 2-32 BIT # BIT #	43 PH 8.5 SIZE 12 1/4" 8 3/4"	11 PM 0.00 MGF SMITH SMITH	13 PF 0 TYPE MSi616 MDSi516	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684	7 CL 400 JETS 6-16 5-14	8.0 HARDNESS 60 DEPTH IN 80' 4,500'	ECD 11.8 DAY END/OUT 4,500' 7,011'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511'	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0	3 lud Cost 766 WOB 5/15 15/18	Сить \$244 RPM/MOTOR 45/75 40/90	0.2% Ilative ,822 ROP 59.6 FPH 64.4 FPH
11.7 CAKE 2-32 BIT # BIT #	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4"	11 PM 0.00 MGF SMITH SMITH	13 PF 0 TYPE MSi616 MDSi516 MDSi616	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674	7 CL 400	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011'	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859'	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5	3 lud Cost 766 WOB 5/15 15/18 15/19	RPM/MOTOR 45/75 40/90 40/90	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4"	MGF SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi516 MDSi516	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516	7 CL 400 JETS 6-16 5-14 6-16 5-22	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870'	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435'	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25	Сить \$244 RPM/MOTOR 45/75 40/90	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4"	11 PM 0.00 MGF SMITH SMITH	13 PF 0 TYPE MSi616 MDSi516 MDSi616	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674	7 CL 400	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305'	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859'	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5	3 lud Cost 766 WOB 5/15 15/18 15/19	RPM/MOTOR 45/75 40/90 40/90	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635'	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330'	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20	RPM/MOTOR 45/75 40/90 40/90 40/75	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi516 MDSi516	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	7 CL 400 JETS 6-16 5-14 6-16 5-22	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305'	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435'	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25	RPM/MOTOR 45/75 40/90 40/90 40/75	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635'	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635'	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330'	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20	RPM/MOTOR 45/75 40/90 40/90 40/75	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4"	MGF SMITH SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635'	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20	RPM/MOTOR 45/75 40/90 40/90 40/75	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4"	11 PM 0.00 MGF SMITH SMITH SMITH SMITH SMITH SMITH	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	7 CL 400	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER	RPM/MOTOR 45/75 40/90 40/90 40/75 REASON	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4"	11 PM 0.00 MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS	13 PF 0 TYPE MSi616 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE	3 Rud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4"	11 PM 0.00 MGF SMITH SMITH SMITH SMITH INNER ROWS	13 PF 0 TYPE MSi616 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6"	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER	RPM/MOTOR 45/75 40/90 40/90 40/75 REASON	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4"	11 PM 0.00 MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE	3 Rud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" TION	MGF SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE	3 Rud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" TION ORT	MGF SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" 6" TOTAL CRIPTION	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE	3 Rud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" TION	MGF SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE	3 Rud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" TION ORT	MGF SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" 6" TOTAL CRIPTION	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS /	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	0.2% Ilative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" TION ORT	MGF SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" 6" TOTAL CRIPTION	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR.	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG//	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS / DP 1212HWDP	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4"	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 17.4 FPH
11.7	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" FION ORT	11 PM 0.00 MGF SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT W/	13 PF 0 TYPE MSi616 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 7/5-22s //MUD M	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103 OTOR 6.5-1.5	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR. GPM 432 0 432 0 432	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG//	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS / DP 12HWDP E SHAFFER 5,000	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 17.4 FPH
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT PUMP REPO	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" FION ORT CASING RECORE	MGF SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	13 PF 0 TYPE MSi616 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 75-22s //MUD M	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103 OTOR 6.5-1.5	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR. GPM 432 0 432 0 432	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG//	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS / DP 12HWDP E SHAFFER 5,000	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2" 1 Jul VIATION RECC	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 17.4 FPH 19.0 FPH 19.0 FPH 10.0 FPH 11.4 FPH 11.4 FPH 11.4 FPH 12.5 FPH 13.5 FPH 14.5 FPH 15.5 FPH 16.5 FPH 17.4 FPH 17.4 FPH 18.5 F
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT PUMP REPORT PUMP # 1 2 BHA TOTAL 56	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" FION ORT CASING RECOR DEF	MGF SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	13 PF 0 TYPE MSi616 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 75-22s //MUD M	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103 OTOR 6.5-1.5 11" SHAFFEF	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR. GPM 432 0 432 0 432 6-7/8-3.515/	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG//	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS / DP 12HWDP E SHAFFER 5,000 Ft.	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,000 SPR/KII PUMP 1	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 17.4 FPH 19.0 FPH 17.4 FPH 19.0 F
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" FION ORT CASING RECOR DEF PROPOSED	11 PM 0.00 MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	TOTAL DRILL GA GAS BACKGROUND	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103 OTOR 6.5-1.5 UNITS 5,044	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR. GPM 432 0 432 0 432 6-7/8-3.515/	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG// OP MAKE & TYE BL GATE & 11" TOUR CHECK 12,635' 225	ECD 11.8 DAY END/OUT 4,5001' 7,011' 9,870' 12,305' 12,635' BEARINGS / ANNULAR DP 12HWDP E SHAFFER 5,000 Ft. K	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2" 1 Jul VIATION RECC	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	Cumu. \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	0.2% color of the
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" TION ORT CASING RECOR PROPOSED 4,500'	MGF SMITH SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 7-225 //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103 OTOR 6.5-1.5 LT" SHAFFEE S UNITS 5,044 4,970	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR. GPM 432 0 432 6-7/8-3.515/	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK 12,635' 225 195	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS / DP (12HWDP E SHAFFER 5,000 Ft. K K	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2" 1 Jul VIATION RECC	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,000 SPR/KII PUMP 1	0.2% ulative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 17.4 FPH 19.0 FPH 17.4 FPH 19.0 F
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" FION ORT CASING RECOR DEF PROPOSED	11 PM 0.00 MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 7-5-225 //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS PEAK GAS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103 OTOR 6.5-1.5 LI" SHAFFEE S UNITS 5,044 4,970 12,429	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR. GPM 432 0 432 6-7/8-3.515/	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK 12,635' 225 195 210	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS / DP (12HWDP E SHAFFER 5,000 Ft. K K K	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2" 1 Jul VIATION RECC	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	Cumu \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI 40	0.2% color of the
11.7 CAKE 2-32 BIT # BIT # 1 2 3 4 5 6 BIT CONDIT	43 PH 8.5 SIZE 12 1/4" 8 3/4" 8 3/4" 9 3/4" TION ORT CASING RECOR PROPOSED 4,500' 12,700'	11 PM 0.00 MGF SMITH SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	TYPE MSi616 MDSi516 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION 7-225 //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	6 MF 0.4 SERIAL NUMBER JJ4442 JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 103 0 103 OTOR 6.5-1.5 LT" SHAFFEE S UNITS 5,044 4,970	7 CL 400 JETS 6-16 5-14 6-16 5-22 5-23 CHAR. GPM 432 0 432 6-7/8-3.515/	8.0 HARDNESS 60 DEPTH IN 80' 4,500' 7,011' 9,870' 12,305' 12,635' LOCATION PRESSURE 2,279 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK 12,635' 225 195	ECD 11.8 DAY END/OUT 4,500' 7,011' 9,870' 12,305' 12,635' BEARINGS / DP (12HWDP E SHAFFER 5,000 Ft. K K	16.0% LCM 25.0% TOTAL FOOTAGE 4,420' 2,511' 2,859' 2,435' 330' SEALS/PDC VELOCITY DC	3/81 Daily M \$10, TOTAL HOURS 75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2" 1 Jul VIATION RECC	3 lud Cost 766 WOB 5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	Cumu. \$244 RPM/MOTOR 45/75 40/90 40/90 40/75 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	0.2% Illative ,822 ROP 59.6 FPH 64.4 FPH 36.0 FPH 17.4 FPH 17.4 FPH 17.4 FPH 1 PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60 PHONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	n.				Prospect/Field				Date	
-	LG 18	CUCH 10-1					SOUTH AL	TAMONT			17 Jul	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,657	<mark>''</mark>	12,627'		22'	12,700'		\$37,511		\$1,661,421	L	1,383,220	\$4,564,590
County/Parish				State	Rig			Drilling Supervisor			AFE Days (CWC)	
Uintah				Utah	SST 8			SCOTT ALL	RED/MIKE	SITTON	21 D	AYS
Present Operatio											AFE No.	
	CUT DRLG L	INE									140)29
From	me Log To	Hrs										
6:00	8:00	2.0	DRILL 12635' TO	12657' 22' @	0 11 FPH							
8:00	10:30	2.5	TOOK A 35 BBL G			TORED PRESS	URES. SICP 0.	SISPP 0. OPE	N UP WELL. CO	OULD NOT P	UMP THROUGH	STRING
10:30	23:00	12.5	TRIP OUT WET M				<u> </u>					
23:00	0:00	1.0	LAY DOWN MOT				IT.					
0:00	4:30	4.5	TRIP IN THE HOL									
4:30	6:00	1.5	SLIP AND CUT DE									
4.50	0.00	1.5	3Lii 71110 CO 1 D1	teo ente /ti i	112 31102							
	1											
	1											
	+											
ICC 8 MILE	DISPOSAL, SUF											
ו עטואו אַ צטו	DISPUSAL, SUI											
	-											
	+											
					1							
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
			WASATCH	9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'								
			FLAGSTAFF	12,600'								
T	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPOI	RT											
				Gi	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%
11.7	43	11	13	6	7	8.0		16.0%	3/81	3		0.2%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M	ud Cost	Cumu	lative
2-32	8.5	0.00	0	0.4	400	60	11.8	25.0%	\$6,4	195	\$251	,317
BIT#												
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH
5	9 3/4"	SMITH	MDSi517	JH2907	5-23	12,305'	12,657'	352'	19.0	15/20		18.5 FPH
6						12,657'						
BIT CONDIT	TION	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARINGS	SEALS/PDC	GAGE	OTHER	REASON	PULLED
PUMP REPO	ORT											
								VELOCITY			T T	
			LINER				ANNULAR	VELOCITY			1	
PLIMD #	J	MODEL		SPM	GPM	PRESSURE	ANNULAR DP		פרטה	DP OD	HOLF	
PUMP#		MODEL	SIZE	SPM 103	GPM 432	PRESSURE 2.279	DP DP	DC	DC OD 6 1/2"	DP OD 4 1/2"	HOLE 8 3/4"	
1		H&H F-1600	SIZE 6''	103	432	PRESSURE 2,279			DC OD 6 1/2"	DP OD 4 1/2"	HOLE 8 3/4"	
			SIZE 6" 6"	103 0	432 0							
2		H&H F-1600 H&H F-1600	SIZE 6" 6" TOTAL	103	432							
1 2 BHA TOTAL	. LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	103 0 103	432 0 432	2,279	DP					
1 2 BHA TOTAL		H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL	103 0 103	432 0 432	2,279	DP					
1 2 BHA TOTAL	. LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	103 0 103	432 0 432 5-7/8-3.515/	2,279 /6-DC'S RIG//	DP 12HWDP		6 1/2"	4 1/2"	8 3/4"	
1 2 BHA TOTAL	. LENGTH	H&H F-1600 H&H F-1600 BHA #2 DES	SIZE 6" 6" TOTAL CRIPTION	103 0 103 OTOR 6.5-1.5	432 0 432 5-7/8-3.515/	2,279 /6-DC'S RIG//	DP 12HWDP	DC	6 1/2"	4 1/2" LAST BOP TEST	8 3/4" DATE & PRESSURI	
1 2 BHA TOTAL 58	LENGTH 83.5	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M	103 0 103 OTOR 6.5-1.5	432 0 432 5-7/8-3.515/	2,279 /6-DC'S RIG// GOP MAKE & TYPE BL GATE & 11"	DP 12HWDP E SHAFFER 5,00	DC DH ANNULAR	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015	8 3/4" DATE & PRESSURI 5,00	O PSI
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-225 //MUD M	103 0 103 OTOR 6.5-1.5 11" SHAFFEI	432 0 432 5-7/8-3.515/	2,279 /6-DC'S RIG// SOP MAKE & TYP BL GATE & 11" TOUR CHECK	DP 12HWDP E SHAFFER 5,00	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KII	O PSI L RATE
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS	103 0 103 OTOR 6.5-1.5 11" SHAFFEI S UNITS	432 0 432 5-7/8-3.515/ 8 R LWS 5,000# D	2,279 /6-DC'S RIG// SOP MAKE & TYP BL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,00	DC DH ANNULAR	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015	DATE & PRESSURI 5,00 SPR/KII PUMP 1	D PSI L RATE PUMP 2
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR DEI PROPOSED	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND	103 0 103 OTOR 6.5-1.5 11" SHAFFEI S UNITS 5,020	432 0 432 5-7/8-3.515/ B R LWS 5,000# D DEPTH PICK UP	2,279 /6-DC'S RIG// SOP MAKE & TYP BL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,00 Ft.	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI	L RATE PUMP 2 SPM/PSI
1 2 BHA TOTAL 58 CC SIZE 9 5/8	LENGTH 83.5 CASING RECOR DEI PROPOSED 4,500¹	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	103 0 103 OTOR 6.5-1.5 11" SHAFFEI S UNITS 5,020 0	432 0 432 5-7/8-3.515/ BR LWS 5,000# D DEPTH PICK UP SLACK OFF	2,279 /6-DC'S RIG// SOP MAKE & TYP BL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,00 Ft. K	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KII PUMP 1	D PSI L RATE PUMP 2
1 2 BHA TOTAL 58	LENGTH 83.5 CASING RECOR DEI PROPOSED	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS PEAK GAS	103 0 103 OTOR 6.5-1.5 11" SHAFFEI S UNITS 5,020 0 12,641	432 0 432 5-7/8-3.515/ B R LWS 5,000# D DEPTH PICK UP SLACK OFF ROTATING	2,279 /6-DC'S RIG// SOP MAKE & TYP BL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,00 Ft. K K	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI 40	D PSI L RATE PUMP 2 SPM/PSI 60
1 2 BHA TOTAL 58 CC SIZE 9 5/8	CASING RECOR PROPOSED 4,500' 12,700'	H&H F-1600 H&H F-1600 BHA #2 DES 8 3/4 BIT w/	SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	103 0 103 OTOR 6.5-1.5 11" SHAFFEI S UNITS 5,020 0	432 0 432 5-7/8-3.515/ BR LWS 5,000# D DEPTH PICK UP SLACK OFF	2,279 /6-DC'S RIG// SOP MAKE & TYP BL GATE & 11" TOUR CHECK	12HWDP SHAFFER 5,00 Ft. K	DC D# ANNULAR DE	6 1/2" 1 Jul	4 1/2" LAST BOP TEST 2015 DRD	DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI	D PSI L RATE PUMP 2 SPM/PSI 60 HONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	LG 19	CUCH 10-					SOUTH AL	TAMONT			18 Jul	2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,657	<mark>''</mark>	12,627'		0'	12,700'		\$35,118	I	\$1,696,540)	1,383,220	\$4,564,590
County/Parish Uintah				State Utah	SST 8			Drilling Supervisor	RED/MIKE	SITTON	AFE Days (CWC) 21 C	AVC
Present Operatio	on			Otali	331 0			JCOTT ALL	INLD/ WIINL	3111014	AFE No.	AIJ
	RIP OUT, TIG	HT OFF BT	TM								140)29
Tin From	me Log To	Hrs										
6:00	8:30	2.5	TRIP IN THE HOL	E TO 8091'								
8:30	9:30	1.0	CIRCULATE BOTT									
9:30	11:00	1.5	TRIP IN TO 1037	6'								
11:00	15:30	4.5	ATTEMPT TO CIF	RC. TOOK 35 E	BBL GAIN SHU	T IN WELL MO	ONITORED PR	ESSURES CIRC	C. GAS OUT TH	IROUGH CHO	OKE	
15:30	17:00	1.5	CIRC. ONE STAN			O 10947'						
17:00	18:00	1.0	CIRC. OUT GAS A									
18:00	21:00	3.0	CIRC. ONE STAN			0 12119						
21:00 23:30	23:30 0:30	2.5 1.0	CIRC. OUT GAS T			O 12657' TD						
0:30	3:00	2.5	PUMP AND SPOT									
3:00	6:00	3.0	TRIP OUT, TIGHT		,							
ICC 9 MALIE	DISPOSAL, SUF											
IGS & IVIUD	DISPUSAL, SUF	1										
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
	-		WASATCH	9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'								
т	OTAL HOURS:	24.0	FLAGSTAFF TD	12,600' 12,700'	12,876'							
MUD REPO		24.0	110	12,700	12,070							
	T			G	ELS	FLUID	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%
11.9	40	11	10	4	7	9.0		16.0%	3/81	3		0.2%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM		ud Cost	Cumu	
2-32	8.0	0.00	0	0.4	600	60		20.0%	\$4,7	47	\$256	,064
BIT#	T			CERLAN	ı	l	l	l			1	
BIT#	SIZE	MGF	ТҮРЕ	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH
5	9 3/4"	SMITH	MDSi517	JH2907	5-23	12,305'	12,657'	352'	19.0	15/20		18.5 FPH
6						12,657'						
BIT CONDIT	TION	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARINGS /	SEALS/PDC	GAGE	OTHER	REASON	PULLED
DI IMP PERC	OPT											
PUMP REPO	OI/ I		LINER				ANNIII AD	VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1		H&H F-1600		103	432	2,279	<u> </u>	50	6 1/2"	4 1/2"	8 3/4"	
2		H&H F-1600		0	0				,-			
			TOTAL	103	432							
BHA TOTAL	LENGTH	BHA #2 DES										
		0.0/4.01	// E 22c //NALID N	OTOR 6.5-1.5	5-7/8-3.516/	//6-DC'S RIG//	12HWDP					
58	83.5	8 3/4 BH W/	/ 3-223 / IVIOD IV									
58	83.5	8 3/4 BH W/	/ 3-225 // IVIOD IV									
58	83.5	8 3/4 BH W/	/ 3-225 // IVIOU IV			BOP MAKE & TYP		O# 4 8 18 11 11 4 5	4.1.1		DATE & PRESSUR	
				11" SHAFFEI	R LWS 5,000# D	BL GATE & 11"	SHAFFER 5,00		1 Jul	2015	5,00	O PSI
	CASING RECOR	ED.	TOTAL DRILL GA	11" SHAFFEI	R LWS 5,000# D	BL GATE & 11" TOUR CHECK	SHAFFER 5,00	DE'	VIATION RECO	2015 DRD	5,00 SPR/KII	O PSI L RATE
	CASING RECOR		TOTAL DRILL GA	11" SHAFFEI	DEPTH	BL GATE & 11" TOUR CHECK	SHAFFER 5,00 Ft.			2015	5,00 SPR/KII PUMP 1	D PSI L RATE PUMP 2
SIZE	CASING RECOR	D PTH	TOTAL DRILL GA	11" SHAFFEI	R LWS 5,000# D	BL GATE & 11" TOUR CHECK	SHAFFER 5,00	DE'	VIATION RECO	2015 DRD	5,00 SPR/KII	O PSI L RATE
(CASING RECOR DEI	PTH ACTUAL	TOTAL DRILL GA GAS BACKGROUND	11" SHAFFEI	DEPTH PICK UP	BL GATE & 11" TOUR CHECK	SHAFFER 5,00 Ft.	DE'	VIATION RECO	2015 DRD	5,00 SPR/KII PUMP 1 SPM/PSI	L RATE PUMP 2 SPM/PSI
SIZE 9 5/8	CASING RECOR DEI PROPOSED 4,500'	PTH ACTUAL	TOTAL DRILL GA GAS BACKGROUND CONN GAS	11" SHAFFEI	DEPTH PICK UP SLACK OFF	BL GATE & 11" TOUR CHECK	SHAFFER 5,00 Ft. K	DE'	VIATION RECO	2015 DRD	5,00 SPR/KII PUMP 1 SPM/PSI	D PSI L RATE PUMP 2 SPM/PSI 60



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

G 20	CUCH 10-1).				Prospect/Field				Date	
		17-2-1E				SOUTH AL	TAMONT			19 Ju	2015
	TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
	12,627'		0'	12,700'		\$34,493		\$1,731,033	3	1,383,220	\$4,564,590
			State	Rig			Drilling Supervisor			AFE Days (CWC)	
			Utah	SST 8			SCOTT ALL	RED/MIKE	SITTON	1	DAYS
W LID DDII	DIDE									AFE No.	220
CK UP DRILI	. PIPE									140	029
To	Hrs										
8:00	2.0	SHORT TRIP OUT	TO 6000' CH	ECK FOR FLO	N						
9:00	1.0	CHECK FOR FLOV	V								
10:30	1.5	TRIP IN THE HOL	E TO 8564								
12:00	1.5	CIRCULATE OUT	gas and bot	TOMS UP							
12:30	0.5	RIG SERVICE									
13:00	0.5	TRIP IN THE HOL	E 9899								
14:30	1.5	CIRCULATE OUT	gas and bot	TOMS UP							
15:30	1.0	TRIP IN THE HOL	E 11423'								
	1.5			TOMS UP							
	1.0										
						JD					
				•							
						-	10 STDS TO 8	3,800', HOLE N	IOT TAKING I	REQUIRED FLU	ID
				IANGE OUT F	LOW SENSOU	R					
4:30											
SPOSAL, SUF	0.5	I KIP IN PICK UP I	OKILL PIPE								
				5,592	5,588						
				0.005	0.0001						
				9,936	9,929						
TAL !!O!!DC				40.075							
	24.0	וט	12,700	12,876			_	_	_		_
				16	511115	1000	cours	0/11	242	LOW CDANITY	CAND
VIIC	D\/	VD									SAND %
						прпі					0.2%
						FCD					
						ECD					
0.0	0.00		0.7	000			20.070			<u> </u>	,102
			SERIAI								
SIZE	MGE	TVDF	-	IFTS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOR	RPM/MOTOR	ROP
											59.6 FPH
8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
8 3/4"	SMITH	MDSi616	JH7674	6-16			_,5	33.0	15/10	40/50	
8 3/4"	SIVILLI					9 870'	2 859'	79.5	15/19	40/90	
	SMITH	MDSi516			7,011' 9.870'	9,870' 12,305'	2,859¹ 2,435¹	79.5 87.0	15/19 15/25	40/90 40/75	36.0 FPH
	SMITH SMITH	MDSi516 MDSi517	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/90 40/75	36.0 FPH 28.0 FPH
9 3/4"	SMITH SMITH	MDSi516 MDSi517			9,870' 12,305'						36.0 FPH
9 3/4"	SMITH	MDSi517	JJ 1516 JH2907	5-22 5-23	9,870' 12,305' 12,657'	12,305' 12,657'	2,435' 352'	87.0 19.0	15/25 15/20	40/75	36.0 FPH 28.0 FPH 18.5 FPH
			JJ 1516	5-22 5-23	9,870' 12,305'	12,305'	2,435' 352'	87.0	15/25	40/75	36.0 FPH 28.0 FPH
9 3/4" ON	SMITH	MDSi517	JJ 1516 JH2907	5-22 5-23	9,870' 12,305' 12,657'	12,305' 12,657'	2,435' 352'	87.0 19.0	15/25 15/20	40/75	36.0 FPH 28.0 FPH 18.5 FPH
9 3/4"	SMITH	MDSi517 OUTER ROWS	JJ 1516 JH2907	5-22 5-23	9,870' 12,305' 12,657'	12,305' 12,657' BEARINGS /	2,435' 352' SEALS/PDC	87.0 19.0	15/25 15/20	40/75	36.0 FPH 28.0 FPH 18.5 FPH
9 3/4" ON	SMITH INNER ROWS	MDSi517 OUTER ROWS LINER	JJ 1516 JH2907 DULL	5-22 5-23 CHAR.	9,870' 12,305' 12,657' LOCATION	12,305' 12,657' BEARINGS /	2,435' 352' SEALS/PDC	87.0 19.0 GAGE	15/25 15/20 OTHER	40/75 REASON	36.0 FPH 28.0 FPH 18.5 FPH
9 3/4" ON	SMITH INNER ROWS MODEL	MDSi517 OUTER ROWS LINER SIZE	JJ 1516 JH2907 DULL	5-22 5-23 CHAR.	9,870' 12,305' 12,657' LOCATION PRESSURE	12,305' 12,657' BEARINGS /	2,435' 352' SEALS/PDC	87.0 19.0 GAGE	15/25 15/20 OTHER	40/75 REASON HOLE	36.0 FPH 28.0 FPH 18.5 FPH
9 3/4" ON	SMITH INNER ROWS MODEL H&H F-1600	MDSi517 OUTER ROWS LINER	JJ 1516 JH2907 DULL SPM 0	5-22 5-23 CHAR.	9,870' 12,305' 12,657' LOCATION	12,305' 12,657' BEARINGS /	2,435' 352' SEALS/PDC	87.0 19.0 GAGE	15/25 15/20 OTHER	40/75 REASON	36.0 FPH 28.0 FPH 18.5 FPH
9 3/4" ON	SMITH INNER ROWS MODEL	MDSi517 OUTER ROWS LINER SIZE 6"	JJ 1516 JH2907 DULL	5-22 5-23 CHAR.	9,870' 12,305' 12,657' LOCATION PRESSURE	12,305' 12,657' BEARINGS /	2,435' 352' SEALS/PDC	87.0 19.0 GAGE	15/25 15/20 OTHER	40/75 REASON HOLE	36.0 FPH 28.0 FPH 18.5 FPH
9 3/4" DN	SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL	JJ 1516 JH2907 DULL SPM 0	5-22 5-23 CHAR. GPM 0	9,870' 12,305' 12,657' LOCATION PRESSURE	12,305' 12,657' BEARINGS /	2,435' 352' SEALS/PDC	87.0 19.0 GAGE	15/25 15/20 OTHER	40/75 REASON HOLE	36.0 FPH 28.0 FPH 18.5 FPH
93/4" ON RT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JJ 1516 JH2907 DULL SPM 0 0	5-22 5-23 CHAR. GPM 0 0	9,870' 12,305' 12,657' LOCATION PRESSURE 0	12,305' 12,657' BEARINGS / ANNULAR DP	2,435' 352' SEALS/PDC	87.0 19.0 GAGE	15/25 15/20 OTHER	40/75 REASON HOLE	36.0 FPH 28.0 FPH 18.5 FPH
9 3/4" DN	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL	JJ 1516 JH2907 DULL SPM 0 0	5-22 5-23 CHAR. GPM 0 0	9,870' 12,305' 12,657' LOCATION PRESSURE 0	12,305' 12,657' BEARINGS / ANNULAR DP	2,435' 352' SEALS/PDC	87.0 19.0 GAGE	15/25 15/20 OTHER	40/75 REASON HOLE	36.0 FPH 28.0 FPH 18.5 FPH
93/4" ON RT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JJ 1516 JH2907 DULL SPM 0 0	5-22 5-23 CHAR. GPM 0 0 0	9,870' 12,305' 12,657' LOCATION PRESSURE 0	12,305' 12,657' BEARINGS / ANNULAR DP	2,435' 352' SEALS/PDC	87.0 19.0 GAGE DC OD 6 1/2"	15/25 15/20 OTHER DP OD 4 1/2"	40/75 REASON HOLE 8 3/4"	36.0 FPH 28.0 FPH 18.5 FPH
93/4" ON RT	MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JJ 1516 JH2907 DULL SPM 0 0 0 OTOR 6.5-1.5	5-22 5-23 CHAR. GPM 0 0 0	9,870' 12,305' 12,657' LOCATION PRESSURE 0 /6-DC'S RIG//	12,305' 12,657' BEARINGS / ANNULAR DP 12HWDP	2,435' 352' SEALS/PDC VELOCITY DC	87.0 19.0 GAGE DC OD 6 1/2"	15/25 15/20 OTHER DP OD 4 1/2"	HOLE 8 3/4"	36.0 FPH 28.0 FPH 18.5 FPH
93/4" ON RT ENGTH	MODEL H&H F-1600 H&H F-1600 BHA #2 DESI 8 3/4 BIT w/	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M	JJ 1516 JH2907 DULL SPM 0 0 0 OTOR 6.5-1.5	5-22 5-23 CHAR. GPM 0 0 0 0-7/8-3.516/	9,870' 12,305' 12,657' LOCATION PRESSURE 0 /6-DC'S RIG//	12,305' 12,657' BEARINGS / ANNULAR DP 12HWDP E SHAFFER 5,000	2,435' 352' SEALS/PDC VELOCITY DC	87.0 19.0 GAGE DC OD 6 1/2"	15/25 15/20 OTHER DP OD 4 1/2"	HOLE 8 3/4"	36.0 FPH 28.0 FPH 18.5 FPH 1 PULLED
9 3/4" ON RT ENGTH 3.5	MODEL H&H F-1600 H&H F-1600 BHA #2 DESI 8 3/4 BIT W/	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M	JJ 1516 JH2907 DULL SPM 0 0 0 OTOR 6.5-1.5	5-22 5-23 CHAR. GPM 0 0 0 0-7/8-3.516/	9,870' 12,305' 12,657' LOCATION PRESSURE 0 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK	12,305' 12,657' BEARINGS / ANNULAR DP 12HWDP E SHAFFER 5,000	2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE\	87.0 19.0 GAGE DC OD 6 1/2" 1 Jul	15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII	36.0 FPH 28.0 FPH 18.5 FPH PULLED
9 3/4" DN ENGTH 3.5 ASING RECORDER	MODEL H&H F-1600 H&H F-1600 BHA #2 DESG 8 3/4 BIT W/	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M	JJ 1516 JH2907 DULL SPM 0 0 0 OTOR 6.5-1.5 11" SHAFFEE	5-22 5-23 CHAR. GPM 0 0 0 0 -7/8-3.516/	9,870' 12,305' 12,657' LOCATION PRESSURE 0 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK	12,305' 12,657' BEARINGS / ANNULAR DP 12HWDP E SHAFFER 5,000	2,435' 352' SEALS/PDC VELOCITY DC	87.0 19.0 GAGE DC OD 6 1/2"	15/25 15/20 OTHER DP OD 4 1/2"	HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1	28.0 FPH 28.0 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2
9 3/4" DN ENGTH 3.5 ASING RECOR DEF PROPOSED	MODEL H&H F-1600 H&H F-1600 BHA #2 DESI 8 3/4 BIT W/	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND	JJ 1516 JH2907 DULL SPM 0 0 0 OTOR 6.5-1.5 11" SHAFFEE	5-22 5-23 CHAR. GPM 0 0 0 -7/8-3.516/	9,870' 12,305' 12,657' LOCATION PRESSURE 0 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK	12,305' 12,657' BEARINGS / ANNULAR DP 12HWDP E SHAFFER 5,000 Ft. K	2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE\	87.0 19.0 GAGE DC OD 6 1/2" 1 Jul	15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	28.0 FPH 28.0 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI
9 3/4" DN ENGTH 3.5 ASING RECOR DEF PROPOSED 4,500'	MODEL H&H F-1600 H&H F-1600 BHA #2 DESG 8 3/4 BIT W/	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND CONN GAS	JJ 1516 JH2907 DULL SPM 0 0 0 OTOR 6.5-1.5 11" SHAFFEE	5-22 5-23 CHAR. GPM 0 0 0 -7/8-3.516/ BRANCS 5,000# D DEPTH PICK UP SLACK OFF	9,870' 12,305' 12,657' LOCATION PRESSURE 0 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK	12,305' 12,657' BEARINGS / ANNULAR DP 12HWDP E SHAFFER 5,000	2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE\	87.0 19.0 GAGE DC OD 6 1/2" 1 Jul	15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1	28.0 FPH 28.0 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2
9 3/4" DN ENGTH 3.5 ASING RECOR DEF PROPOSED	MODEL H&H F-1600 H&H F-1600 BHA #2 DESI 8 3/4 BIT W/	MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION / 5-22s //MUD M TOTAL DRILL GA GAS BACKGROUND	JJ 1516 JH2907 DULL SPM 0 0 0 OTOR 6.5-1.5 11" SHAFFEE	5-22 5-23 CHAR. GPM 0 0 0 -7/8-3.516/	9,870' 12,305' 12,657' LOCATION PRESSURE 0 /6-DC'S RIG// OP MAKE & TYP BL GATE & 11" TOUR CHECK	12,305' 12,657' BEARINGS / ANNULAR DP 12HWDP E SHAFFER 5,000 Ft. K	2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE\	87.0 19.0 GAGE DC OD 6 1/2" 1 Jul	15/25 15/20 OTHER DP OD 4 1/2" LAST BOP TEST 2015 DRD	HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	28.0 FPH 28.0 FPH 18.5 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60
	12:30 13:00 14:30 15:30 17:00 18:00 22:00 23:00 2:00 3:30 4:30 5:30 SPOSAL, SUF	12:30	12:30	12:30	12:30	12:30	12:30	12:30	12:30	12:30	12:30



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
	LG 21	CUCH 10-1					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,657	<mark>''</mark>	12,627'		0'	12,700'		\$44,702	T	\$1,775,735	5	1,383,220	\$4,564,590
County/Parish Uintah				State	SST 8			Drilling Supervisor	RED/MIKE	CITTON	AFE Days (CWC)	AYS
Present Operation	on			Utah	3318			SCOTT ALI	LKED/IVIIKE	SITION	AFE No.	PATS
TRIP OUT												029
Tin	me Log											
From	To	Hrs	TOLD IN DICK LID	DDILL DIDE AA	ID DUN TOIN	TO 100F01 CI	DC OUT CAC	DOTTOMC III	D //DIC DOWA	LLAV DOMAN	TDUCK	
6:00 7:00	7:00 7:30	1.0 0.5	TRIP IN PICK UP I		ND KUN TUIN	10 10650°, CI	RC. OUT GAS	BO LIOINIS OI	P //RIG DOWN	LAY DOWN	TRUCK	
7:30	8:00	0.5	CIRC. BOTTOMS		ILIG WITH CIT	TTING AND I	^M					
8:00	12:00	4.0	CLEAN OUT MU					RC. WHEN PL	UG PIPE SCRE	EN W/ CUTT	ING / VAC TUR	CK ON LOC.
0.00	12.00		TO TO SUCK OUT								, , , , , , , , , , , , , , , , , , , ,	
12:00	12:30	0.5	RIG SERVICE									
12:30	14:00	1.5	CIRC.BOTTOMS I	JP @ 11042'								
14:00	15:30	1.5	TRIP IN THE HOL	E TO BOTTON	И (15' OF SOF	T FILL)						
15:30	16:30	1.0	CIRC. BOTTOMS									
16:30	18:00	1.5	TOOK 35 BBL GA	IN SHUT IN W	VELL, CIRC OU	T GAS THOUF	RGH CHOKE					
18:00	4:00	10.0	CIRC									
4:00	5:00	1.0	SPOT 15.7 ECD S	LUGS, PUMP	DRY JOB							
5:00	6:00	1.0	TRIP OUT									
IGS & MUD	DISPOSAL, SUI	RFACE RESTO										
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
	1		WASATCH	9,688'	9,936'	9,929'						
	_		LOWER WASATCH	11,632'								
			FLAGSTAFF	12,600'								
	OTAL HOURS:	24.0	TD	12,700'	12,876'							
MUD REPO	ik i	ı		-					- ***			
MW	VIS	PV	YP	INITIAL	10 MIN	API	LOSS HPHT	SOLIDS %	0/W %	DAP PPB	LOW GRAVITY	SAND %
11.9	38	11	11	5	9	7.0	пипі	17.0%	5/79	1.5	6.1%	0.6%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM		lud Cost		lative
2-32	8.0	0.00	0	0.4	600	80	202	20.0%	\$10,		\$269	
BIT#												
				SERIAL				TOTAL				
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH
5	9 3/4"	SMITH	MDSi517	JH2907	5-23	12,305'	12,657'	352'	19.0	15/20		18.5 FPH
6						12,657'						
BIT CONDIT	IION	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARINGS ,	SEALS/PDC	GAGE	OTHER	REASON	PULLED
DI INCO DESC	ODT											
PUMP REPO	UKI						******	VELOCITY:				
Direc #		MODEL	LINER	CDAA	CDM	PRESSURE	DP ANNULAR	VELOCITY	DC 05	DD 00	HOLE	
PUMP#		MODEL H&H F-1600	SIZE 6"	SPM O	GPM 0	O PRESSURE	UP	DC	DC OD 6 1/2"	DP OD 4 1/2"	HOLE 8 3/4"	
2		H&H F-1600	_	0	0	-			J 1/2	7 1/2	3 3/4	
		1000	TOTAL	0	0					<u> </u>	+	<u> </u>
BHA TOTAL	LENGTH	BHA #2 DES										
			// 5-22s //MUD M	OTOR 6.5-1.5	5-7/8-3.516/	//6-DC'S RIG//	12HWDP					
58	83.5											
58	83.5									LAST BOP TEST	DATE & DDECCLID	E
5	83.5				Е	OP MAKE & TYP	E			LAST DOF ILST	DATE & PRESSUR	
51	83.5			11" SHAFFEI	E R LWS 5,000# D			0# ANNULAR	1 Jul			O PSI
	CASING RECOR	RD .	TOTAL DRILL GA		R LWS 5,000# D		SHAFFER 5,00		1 Jul	2015		
	CASING RECOR	RD PTH	TOTAL DRILL GA		R LWS 5,000# D	BL GATE & 11" TOUR CHECK	SHAFFER 5,00			2015	5,00	
SIZE	CASING RECOR			S	R LWS 5,000# D	BL GATE & 11" TOUR CHECK	SHAFFER 5,00	DE'	VIATION RECO	2015 ORD	5,00 SPR/KII	L RATE
SIZE 9 5/8	CASING RECOR DEI PROPOSED 4,500'	тн	GAS	S	DEPTH	BL GATE & 11" TOUR CHECK	SHAFFER 5,00 Ft. K	DE'	VIATION RECO	2015 ORD	5,00 SPR/KII PUMP 1	L RATE PUMP 2
SIZE	CASING RECOF DEI PROPOSED	PTH ACTUAL	GAS BACKGROUND	S	DEPTH PICK UP	BL GATE & 11" TOUR CHECK	Ft. K K	DE'	VIATION RECO	2015 ORD	5,00 SPR/KII PUMP 1 SPM/PSI 40	PUMP 2 SPM/PSI 60
SIZE 9 5/8	CASING RECOF DEI PROPOSED 4,500' 12,700'	PTH ACTUAL	GAS BACKGROUND CONN GAS	S	DEPTH PICK UP SLACK OFF	BL GATE & 11" TOUR CHECK	SHAFFER 5,00 Ft. K	DE'	VIATION RECO	2015 ORD	5,00 SPR/KII PUMP 1 SPM/PSI	PHONE NO.



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0				Prospect/Field				Date	
	G 22	CUCH 10-					SOUTH AL	TAMONT				2015
MD		TVD		Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC
12,657' County/Parish		12,627'		O' State	12,700'		\$38,851	Drilling Supervisor	\$1,814,586	<u> </u>	1,383,220 AFE Days (CWC)	\$4,564,590
Uintah				Utah	SST 8				.RED/MIKE	SITTON		AYS
Present Operation					100.0			10001111			AFE No.	
		RUNNING 1	OOLS, RUN C	ASING							14	029
From	e Log To	Hrs										
6:00	8:00	2.0	TRIP OUT TO LA	Y DOWN DRIL	L PIPE to 8377	7'						
8:00	15:30	7.5	RIG UP FRANKS	LAY DOWN T	RUCK AND LAY	OOWN DRIL	L PIPE					
15:30	16:30	1.0	TRIP IN 16 STDS									
16:30	17:00	0.5	LAY DOWN 8 JTS	5								
17:00 19:00	19:00 23:00	2.0 4.0	TRIP IN DP LD DRILL STRING									
23:00	23:30	0.5	PULL WEAR BUS									
23:30	6:00	6.5	SM/RU/SM CASI		TOOLS, RUN	CASING						
IGS & MUD D	ISPOSAL, SUI	RFACE RESTO										
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450	5,592'	5,588'						
			LOWER GREEN RIV	8,566								
			WASATCH	9,688	9,936'	9,929'						
			LOWER WASATCH	1	1							
TO	TAL HOURS:	24.0	FLAGSTAFF TD	12,600°								
MUD REPOR		24.0	TID.	12,700	12,670							
				G	ELS	FLUIC	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	YP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%
11.9	38	11	11	5	9	7.0		17.0%	5/79	1.5	6.1%	0.6%
2-32	PH 8.0	PM 0.00	PF O	0.4	600	HARDNESS 80	ECD	20.0%	Daily M	ud Cost	\$270	lative
BIT #	8.0	0.00		0.4	600	80		20.0%	٦٦	00	\$270	,434
2				SERIAL			Ī .	TOTAL	I			
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH
5 6	9 3/4"	SMITH	MDSi517	JH2907	5-23	12,305' 12,657'	12,657'	352'	19.0	15/20	1	18.5 FPH
BIT CONDITION	ON	INNER ROWS	OUTER ROWS	יינום	. CHAR.	LOCATION	BEARINGS	/ SEALS/PDC	GAGE	OTHER	REASON	PULLED
PUMP REPO	RT											
1		ı	LINER			ı		R VELOCITY				
PUMP#		MODEL	SIZE	SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE 9.3/4"	
2		H&H F-1600 H&H F-1600		0	0	0			6 1/2"	4 1/2"	8 3/4"	
		110111-1000	TOTAL	0	0				ļ			
BHA TOTAL L	ENGTH	BHA #2 DES										
	3.5		<mark>// 5-22s //MUD N</mark>	10TOR 6.5-1.	<mark>5-7/8-3.5</mark> 16/	//6-DC'S RIG//	/12HWDP					
						BOP MAKE & TYP					DATE & PRESSUR	
	ACINIC DESC		TOTA:::		R LWS 5,000# D				1 Jul		<u> </u>	O PSI
C/	ASING RECOR	PTH	TOTAL DRILL GA GAS	UNITS	DEPTH	TOUR CHECK	Ft.	DEPTH	VIATION RECO		SPR/KII PUMP 1	L RATE PUMP 2
SIZE	PROPOSED	ACTUAL	BACKGROUND	OINITS	PICK UP	12,037	rt. K	DEFIN	INC	AZ	SPM/PSI	SPM/PSI
9 5/8	4,500¹	4,369¹	CONN GAS		SLACK OFF		K	1			40	60
5 1/2	12,700'	,	PEAK GAS		ROTATING		K	1				
			TRIP GAS		TORQUE		K]			CO-MAN I	HONE NO.
FUEL USED	588	GALS	FLARE SCF's				PSI				435-828-06	01/844-792-



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date		
DRLG 23		CUCH 10-	17-2-1E	SOUTH ALTAMONT				22 Jul 2015					
MD		TVD	•	Progress	Planned TD		Daily Cost		Cumulative Cost		AFE DHC	AFE CWC	
12,657 County/Parish	<u>'</u>	12,627'		O' State	12,700'		\$281,825	Drilling Supervisor	\$2,096,411	L	1,383,220 AFE Days (CWC)	\$4,564,590	
Uintah				Utah	SST 8					SITTON	21 D	ΔΥς	
Present Operation				Utah SST 8 SCOTT ALLRED/MIKE SITTON						3111011	AFE No.		
	0 GPM, 267	O PSI, NO F	RETURNS								140	029	
From	me Log To	Hrs											
6:00	15:30	9.5	RUN CASING 290	JOINT TOTA	L 17# P-110 L	Γ&C + 3 MARI	KERS AND STA	AGE TOOL,LAI	NDED @ 1264	2' KB/ 90 CEI	NTRALIZERS / F	ILL PIPE EVER	
15:30	17:30	2.0	PUMP DOWN HO	OLE 170 GPM	, NO RETURNS	5		·			·		
17:30	23:30	6.0	PUMP DOWN HO										
23:30	2:00	2.5	PJSM, RIG UP HE	S, TEST LINES	, PUMP 1ST S	TAGE CMT, B	UMP PLUG, F	LOATS HELD					
2:00	3:30	1.5	DROP OPENING			20 BBL MUD,	SWITCH TO R	IG PUMP					
3:30	6:00	2.5	PUMP 160 GPM,	2670 PSI, NC	RETURNS								
GS & MUD I	DISPOSAL, SUI	RFACE RESTO											
			1ST STAGE CMT,	AHEAD 10 BI	BL WATER, 20	BBL SUPERFL	USH 3, 10 BB	L WATER, LEA	AD 45 BBL 157	SKS, 15.4#,	1.01 YLD, TAIL 1	136 BBL, 476	
			15.4#, 1.6 YLD, D	ROP PLUG, D	ISPLACE W/8	0 BBL WATER	R, THEN MUD	292 BBL TOT	AL.				
				ı	1	1	ı						
				PROGNOSIS	ACTUAL	TVD ACTUAL							
			UPPER GREEN RIV	5,450'	5,592'	5,588'							
			LOWER GREEN RIV	8,566'									
			WASATCH	9,688'	9,936'	9,929'							
			LOWER WASATCH	11,632'									
-	OTAL HOURS	24.0	FLAGSTAFF	12,600'	42.076								
MUD REPOI	OTAL HOURS:	24.0	TD	12,700'	12,876'								
VIOD KEPOI	T T		T	6	ELS	ELLIIE	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND	
MW	VIS	PV	ΥP	INITIAL	10 MIN	API	HPHT	%	%	PPB	%	%	
11.9	38	11	11	5	9	7.0		17.0%	5/79	1.5	6.1%	0.6%	
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM		ud Cost	Cumu	lative	
2-32	8.0	0.00 0		0.4	600	80		20.0%	\$22,636		\$293	,090	
BIT#													
				SERIAL				TOTAL					
BIT#	SIZE	MGF	TYPE	NUMBER	JETS	DEPTH IN	DAY END/OUT		TOTAL HOURS	WOB	RPM/MOTOR	ROP	
1	12 1/4"	SMITH	MSi616	JJ4442	6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH	
2	8 3/4"	SMITH	MDSi516	JK 1684	5-14	4,500'	7,011'	2,511'	39.0	15/18	40/90	64.4 FPH	
3	8 3/4"	SMITH	MDSi616	JH7674	6-16	7,011'	9,870'	2,859'	79.5	15/19	40/90	36.0 FPH	
4	8 3/4"	SMITH	MDSi516	JJ 1516	5-22	9,870'	12,305'	2,435'	87.0	15/25	40/75	28.0 FPH	
5	9 3/4"	SMITH	MDSi517	JH2907	5-23	12,305'	12,657'	352'	19.0	15/20		18.5 FPH	
6						12,657'							
BIT CONDIT	TION	INNER ROWS	OUTER ROWS	DULL	CHAR.	LOCATION	BEARINGS /	SEALS/PDC	GAGE	OTHER	REASON	PULLED	
DIIMP DERG) PT												
PUMP REPO	JKI		LINES				ANIP	VELOCITY					
DI INAP #		MODEL	LINER	CDAA	CDM	PRESSURE	DP ANNULAR	VELOCITY	DC 02	DD 00	ног		
PUMP#	+	MODEL H&H F-1600	SIZE 6"	SPM 0	GPM 0	O PRESSURE	UP	DC	DC OD 6 1/2"	DP OD 4 1/2"	HOLE 8 3/4"		
2	1	H&H F-1600		0	0				U 1/2	1/L	33,4		
	1		TOTAL	0	0								
BHA TOTAL	LENGTH	BHA #2 DES											
	83.5		// 5-22s //MUD M	OTOR 6.5-1.5	5-7/8-3.516/	/6-DC'S RIG//	12HWDP						
		,											
					Е	OP MAKE & TYP	E			LAST BOP TEST	DATE & PRESSURI	E	
			11" SHAFFER LWS 5,00						1 Jul	1 2015 5,000 PSI			
	_	D.	TOTAL DRILL GA	S		TOUR CHECK		DE'	VIATION RECO	ORD	SPR/KILL RATE		
	CASING RECOR	UU	TOTAL DRILL GA									DUMD 2	
		PTH	GAS	UNITS	DEPTH	12,657'	Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2	
SIZE				UNITS	DEPTH PICK UP	12,657'	Ft. K	DEPTH	INC	AZ	SPM/PSI	SPM/PSI	
SIZE 9 5/8	DEI	РТН	GAS	UNITS		12,657'	K K	DEPTH	INC	AZ			
SIZE	DEI PROPOSED	PTH ACTUAL	GAS BACKGROUND	UNITS	PICK UP	12,657'	К	DEPTH	INC	AZ	SPM/PSI	SPM/PSI	
SIZE 9 5/8	DEI PROPOSED 4,500' 12,700'	PTH ACTUAL	GAS BACKGROUND CONN GAS	UNITS	PICK UP SLACK OFF	12,657'	K K	DEPTH	INC	AZ	SPM/PSI	SPM/PSI 60 PHONE NO.	



Badlands Energy - Utah, LLC DAILY DRILLING REPORT

Days from Spud		Lease and Well N	0.				Prospect/Field				Date	
DRLG 24		CUCH 10-		SOUTH ALTAMONT				23 Jul 2015				
MD	<u> </u>	TVD	.,	Progress	Planned TD		Daily Cost	.,	Cumulative Cost		AFE DHC	AFE CWC
12,657'		12,627'		0'	12,700'		\$109,408		\$2,205,818	;	1,383,220	\$4,564,590
County/Parish				State	Rig			Drilling Supervisor			AFE Days (CWC)	, , , , , , , , , , , , , , , , , , , ,
Uintah				Utah	SST 8			SCOTT ALL	RED/MIKE	SITTON	21 D	AYS
Present Operation											AFE No.	
		PPLE DOW	/N / GET READ	Y TO MOV	E TO BABB	6-24-2-1E					140	029
From	e Log To	Hrs										
6:00	7:30	1.5	PUMP 160 GPM,	2670 PSL NC	RETURNS DE	OP TO 120 G	PM TO KEEP I	MUD VOLUM	FS			
7:30	10:30	3.0	PJSM, RIG UP HE	-								
10:30	11:30	1.0	SET INTER AND (-	-	-	-					
11:30	6:00	18.5							DOWN / GET	READY TO M	OVE TO BARR	5-2/1-2-1F
11.50	0.00	10.5	CLEAN AND TRANSFER MUD FROM PITS TO UP RIGHTS / CLEAN MUD PITS/ NIPPLE DOWN / GET READY TO MOVE TO BABB 6-24-2-1E									
			RELEASE RIG @ 06:00 AM 7/24/2015									
			NELEMBE NIG @ 00.00 AWI 1/24/2013									
			467.674.65.63.77	ALIEAD 40 S	DI MATER 22	DDI CUIDECE	11011 2 40 55	LAVATER	AD 45 PD: 455	CVC 45 4"	1 04 VID TATE	12C DD: 47C
100.0.11	 		1ST STAGE CMT,							SKS, 15.4#,	LUI YLD, TAIL	136 BBL, 476 S
MUD D	JISPUSAL, SUF	RESTO	15.4#, 1.6 YLD, D	-	-		-			1D TAV:	DDIC 450 01/0	IE 4 # \0.E. > :
			2ND STAGE CMT	•		•	•		•	•		
			DROP PLUG, DIS	PLACE 224 BB	ILS WATER, LI	FT PKESSURE	4,000 PSI, BU	MP 5,600 PS	, HOLD 5 MIN	. GOF 5 BBLS	BACK,CHECK F	OK FLOW.
							1					
				PROGNOSIS	ACTUAL	TVD ACTUAL						
			UPPER GREEN RIV	5,450'	5,592'	5,588'						
			LOWER GREEN RIV	8,566'								
			WASATCH	9,688'	9,936'	9,929'						
			LOWER WASATCH	11,632'								
			FLAGSTAFF	12,600'								
тс	TAL HOURS:	24.0	TD	12,700'	12,657'							
MUD REPOR				,	,							
				GI	ELS	FLUIC	LOSS	SOLIDS	o/w	DAP	LOW GRAVITY	SAND
MW	VIS	PV	ΥP	INITIAL	10 MIN	API	НРНТ	%	%	PPB	%	%
	- 10						11111		7.5		,,,	
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily M	ud Cost	Cumu	lative
0.11.2						10.012.12.00	202	2011	\$6,1		\$299	
BIT#									1 7 7		7-00	,
J	I			SERIAL	Π				П		I .	
D.T. #	6175	***	TVDF	NUMBER	1576	DEPTH IN	DAY 5ND (01)T	TOTAL				202
BIT#	SIZE	MGF	TYPE	JJ4442	JETS	DEPTHIN					DD84/84GTGD	
1	12 1/4"	SMITH	MSi616				DAY END/OUT	FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
2	8 3/4"				6-16	80'	4,500'	4,420'	75.5	5/15	45/75	59.6 FPH
3	0.0 (41)	SMITH	MDSi516	JK 1684	5-14	80' 4,500'	4,500' 7,011'	4,420' 2,511'	75.5 39.0	5/15 15/18	45/75 40/90	59.6 FPH 64.4 FPH
4	8 3/4"	SMITH SMITH	MDSi516 MDSi616	JK 1684 JH7674	5-14 6-16	80' 4,500' 7,011'	4,500' 7,011' 9,870'	4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90	59.6 FPH 64.4 FPH 36.0 FPH
	8 3/4"	SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516	JK 1684 JH7674 JJ 1516	5-14 6-16 5-22	80' 4,500' 7,011' 9,870'	4,500' 7,011' 9,870' 12,305'	4,420' 2,511' 2,859' 2,435'	75.5 39.0 79.5 87.0	5/15 15/18 15/19 15/25	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH
5		SMITH SMITH	MDSi516 MDSi616	JK 1684 JH7674	5-14 6-16	80' 4,500' 7,011' 9,870' 12,305'	4,500' 7,011' 9,870'	4,420' 2,511' 2,859'	75.5 39.0 79.5	5/15 15/18 15/19	45/75 40/90 40/90	59.6 FPH 64.4 FPH 36.0 FPH
6	8 3/4" 9 3/4"	SMITH SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516 MDSi517	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22 5-23	80' 4,500' 7,011' 9,870' 12,305' 12,657'	4,500' 7,011' 9,870' 12,305' 12,657'	4,420' 2,511' 2,859' 2,435' 352'	75.5 39.0 79.5 87.0 19.0	5/15 15/18 15/19 15/25 15/20	45/75 40/90 40/90 40/75 40/90	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
	8 3/4" 9 3/4"	SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22	80' 4,500' 7,011' 9,870' 12,305'	4,500' 7,011' 9,870' 12,305' 12,657'	4,420' 2,511' 2,859' 2,435'	75.5 39.0 79.5 87.0	5/15 15/18 15/19 15/25	45/75 40/90 40/90 40/75	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6 BIT CONDITIO	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516 MDSi517	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22 5-23	80' 4,500' 7,011' 9,870' 12,305' 12,657'	4,500' 7,011' 9,870' 12,305' 12,657'	4,420' 2,511' 2,859' 2,435' 352'	75.5 39.0 79.5 87.0 19.0	5/15 15/18 15/19 15/25 15/20	45/75 40/90 40/90 40/75 40/90	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516 MDSi517	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22 5-23	80' 4,500' 7,011' 9,870' 12,305' 12,657'	4,500' 7,011' 9,870' 12,305' 12,657'	4,420' 2,511' 2,859' 2,435' 352'	75.5 39.0 79.5 87.0 19.0	5/15 15/18 15/19 15/25 15/20	45/75 40/90 40/90 40/75 40/90	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6 BIT CONDITIO	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516 MDSi517	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22 5-23	80' 4,500' 7,011' 9,870' 12,305' 12,657'	4,500' 7,011' 9,870' 12,305' 12,657'	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0	5/15 15/18 15/19 15/25 15/20	45/75 40/90 40/90 40/75 40/90	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6 BIT CONDITIO	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22 5-23	80' 4,500' 7,011' 9,870' 12,305' 12,657'	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0	5/15 15/18 15/19 15/25 15/20	45/75 40/90 40/90 40/75 40/90	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6 BIT CONDITION PUMP REPOR	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0	5/15 15/18 15/19 15/25 15/20 OTHER	45/75 40/90 40/90 40/75 40/90 REASON	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6 BIT CONDITION PUMP REPORT	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6"	JK 1684 JH7674 JJ 1516 JH2907	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER	45/75 40/90 40/90 40/75 40/90 REASON	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6 BIT CONDITION PUMP REPORT PUMP# 1	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6"	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER	45/75 40/90 40/90 40/75 40/90 REASON	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
6 BIT CONDITION PUMP REPORT PUMP# 1	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER	45/75 40/90 40/90 40/75 40/90 REASON	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
PUMP REPORT PUMP # 1 2	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER	45/75 40/90 40/90 40/75 40/90 REASON	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
PUMP REPORT PUMP # 1 2	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER	45/75 40/90 40/90 40/75 40/90 REASON	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
PUMP REPORT PUMP # 1 2	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS /	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
PUMP REPORT PUMP # 1 2	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0	5-14 6-16 5-22 5-23 CHAR.	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / ANNULAR DP	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH
PUMP REPORT PUMP # 1 2 BHA TOTAL L	8 3/4" 9 3/4" ON	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0 11" SHAFFEE	5-14 6-16 5-22 5-23 CHAR. GPM 0 0 0	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0 OP MAKE & TYP BL GATE & 11"	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / ANNULAR DP	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH PULLED
PUMP REPORT PUMP # 1 2 BHA TOTAL L	8 3/4" 9 3/4" ON RT LENGTH	SMITH SMITH SMITH SMITH INNER ROWS MODEL H&H F-1600 H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0 11" SHAFFEE	5-14 6-16 5-22 5-23 CHAR. GPM 0 0 0	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0 OP MAKE & TYP BL GATE & 11" TOUR CHECK	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / ANNULAR DP	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE*	75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4"	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH PULLED
PUMP REPORT PUMP# 1 2 BHA TOTAL L	8 3/4" 9 3/4" ON RT LENGTH ASING RECOR	MODEL H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0 11" SHAFFEE	5-14 6-16 5-22 5-23 CHAR. GPM 0 0 0 DEPTH	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0 OP MAKE & TYP BL GATE & 11" TOUR CHECK	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / ANNULAR DP	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC	75.5 39.0 79.5 87.0 19.0 GAGE	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2
PUMP REPOIL PUMP # 1 2 BHA TOTAL L	8 3/4" 9 3/4" ON RT LENGTH ASING RECOR DEI PROPOSED	MODEL H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION TOTAL DRILL GA GAS BACKGROUND	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0 11" SHAFFEE	5-14 6-16 5-22 5-23 CHAR. GPM 0 0 0 DEPTH PICK UP	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0 OP MAKE & TYP BL GATE & 11" TOUR CHECK	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / DP E SHAFFER 5,000 Ft. K	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE*	75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI
PUMP REPORT PUMP # 1 2 BHA TOTAL L SIZE 9 5/8	8 3/4" 9 3/4" ON RT LENGTH ASING RECOR DEI PROPOSED 4,500'	MODEL H&H F-1600 BHA #2 DES D PTH ACTUAL 4,369'	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION TOTAL DRILL GA GAS BACKGROUND CONN GAS	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0 11" SHAFFEE	5-14 6-16 5-22 5-23 CHAR. GPM 0 0 0 DEPTH PICK UP SLACK OFF	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0 OP MAKE & TYP BL GATE & 11" TOUR CHECK	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / DP E SHAFFER 5,000 Ft. K K	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE*	75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2
PUMP REPOI	8 3/4" 9 3/4" ON RT LENGTH ASING RECOR DEI PROPOSED	MODEL H&H F-1600 BHA #2 DES	MDSi516 MDSi616 MDSi516 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION TOTAL DRILL GA GAS BACKGROUND CONN GAS PEAK GAS	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0 11" SHAFFEE	5-14 6-16 5-22 5-23 CHAR. GPM 0 0 0 DEPTH PICK UP SLACK OFF ROTATING	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0 OP MAKE & TYP BL GATE & 11" TOUR CHECK	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / DP E SHAFFER 5,000 Ft. K K K	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE*	75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4" DATE & PRESSURI 5,00 SPR/KII PUMP 1 SPM/PSI 40	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60
PUMP REPORT PUMP # 1 2 BHA TOTAL L SIZE 9 5/8	8 3/4" 9 3/4" ON RT LENGTH ASING RECOR DEI PROPOSED 4,500'	MODEL H&H F-1600 BHA #2 DES D PTH ACTUAL 4,369'	MDSi516 MDSi616 MDSi516 MDSi517 OUTER ROWS LINER SIZE 6" 6" TOTAL CRIPTION TOTAL DRILL GA GAS BACKGROUND CONN GAS	JK 1684 JH7674 JJ 1516 JH2907 DULL SPM 0 0 0 11" SHAFFEE	5-14 6-16 5-22 5-23 CHAR. GPM 0 0 0 DEPTH PICK UP SLACK OFF	80' 4,500' 7,011' 9,870' 12,305' 12,657' LOCATION PRESSURE 0 OP MAKE & TYP BL GATE & 11" TOUR CHECK	4,500' 7,011' 9,870' 12,305' 12,657' BEARINGS / DP E SHAFFER 5,000 Ft. K K	4,420' 2,511' 2,859' 2,435' 352' SEALS/PDC VELOCITY DC D# ANNULAR DE*	75.5 39.0 79.5 87.0 19.0 GAGE DC OD 6 1/2"	5/15 15/18 15/19 15/25 15/20 OTHER DP OD 4 1/2"	45/75 40/90 40/90 40/75 40/90 REASON HOLE 8 3/4" DATE & PRESSUR 5,00 SPR/KII PUMP 1 SPM/PSI	59.6 FPH 64.4 FPH 36.0 FPH 28.0 FPH 18.5 FPH 18.5 FPH PULLED E 0 PSI L RATE PUMP 2 SPM/PSI 60 HONE NO.

Badlands Production Utah -LLC

Cuch 10-17-2-1E SW SE of Section 17-T2S-R1E Uintah County Utah, 43-047-51160000

- 7/28/15 Have safety meeting. Start building battery. MIRU Miles well service to drill out cement stage tool and clean out to prep for RPM, and CBL logs. Install tbg head. NU Nabors 7" 5k BOP. TIH w/233 jnts 2 7/8" EUE 8rnd L-80 tbg and leave EOT @ 9,233' for night. SDFD. (JD) DC \$5,560 Drilling Total \$1,897,551 Completion total \$306,689 AFE Total \$2,204,240
- Have safety meeting. Continue battery construction. Fd well dead. TIH w/13 jnts tbg and tag fill @ 9,625'. Lay one jnt dn and PU power swivel. Swivel in 1 jnt tbg and clean out to 9,664' and tag cement stage tool, saw cedar fiber and mud in returns. Drill out and RIH tag @ 12,560'. Clean out and tag solid @ 12,580'. PU 10' and circulate 2 wellbore volumes. POOH laying dn tbg. Leave EOT @ 8,196' w/253 jnts tbg. Secure well and SDFD. (JD) DC \$5,270 Drilling total \$1,897551 Completion total \$311,959 AFE Total \$2,209,510
- 7/30/15 Have safety meeting. Continue building battery. Finish POOH laying dn w/253 jnts 2 7/8" tbg. Secure well and SDFD. (JD) DC \$3,250 Updated late drilling cost \$23,418 Drilling total \$1,920,969 Completion total \$315,209 AFE Total \$2,236,178
- 7-31-15 Updated cost. Set Production Equipment, Tanks, Heater treater, secondary scrubber, DC \$111,811 (SD) Drilling total \$1,920,969 Completion total \$427,348 AFE Total \$2,348,317
- Have safety meeting. Continue building battery. MIRU Halliburton logging crew. MU and RIH w/gauge ring and junk basket. Tag @ 12,570' and POOH. When OOH fd tools gone. MU logging tool and RIH log from TD to surface w/Reservoir Monitor tool and CBL tools. MU and RIH w/4.70 overshot and tag @ 9,664', POOH and JDC pin had sheared and left overshot in the hole. Secure well and SDFD. (JD) DC \$17,060 Drilling total \$1,920,969 Completion total \$444,408 AFE Total \$2,365,377
- Have safety meeting. MU and RIH w/overshot on wire and try to catch fish. Unable to catch fish, POOH. Will have to run tools on pipe Monday. Secure well and SDFD. (JD) DC \$1,900 Drilling total \$1,920,969 Completion total \$446,308 AFE Total \$2,367,277

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- 8/3/15 Updated Completion Costs. (SD) DC \$971
- Have safety meeting. ND wellhead, NU Nabors 7" 5k BOP. MU and RIH w/overshot and Bumper and bumper sub. Tag fish @ 9,664'. Set dn 8k and fell over fish. POOH standing back tbg and tools. Fd both both over shots in tools. Secure well and SDFD. (JD) (DC to be paid by Halliburton \$4,450)

 Drilling Total \$1,920,969 Completion total \$447,279 AFE Total \$2,368,248
- Have safety meeting. MU 4 ¾" overshot dressed w/cutright+Bumpersub and RIH. Tag @ 9,664'. PU power swivel and clean out tight spot. RIH and tag fish @ 12,580'. Start pumping and wash down over fish top and latch fish. POOH laying dn tbg. OOH w/136 jnts tbg. Leave EOT @ 8,189' for night and SDFD. (JD) DC Halliburton will pay \$23,871 Total \$28,321 Completion Total \$447,279 Drilling total \$1,920,969 AFE Total \$2,368,248
- Have safety meeting. Finish POOH laying dn tbg and tools. Fd Halliburton junk basket and gauge ring in overshot. ND BOP, NU wellhead and flow line. RDMO service unit. Total cost to HES \$29,591 Updated late costs DC \$11,300 Drilling total \$1,920,969 Completion Total \$457,579 AFE Total \$2,378,548
- Have safety meeting. Start MIRU Halliburton energy services. MIRU The Perforators. FD well with 0 sicp. RIH w/3 1/8" guns. Perf stage-1 Colton from 12,295-98', 12,323-26', 12,346-49', 12,384-87', 12,417-26', 12,461-64', 12,481-84', 12,513-16'. POOH. Well built up to 300 psi after perfs shot. Secure well for night and SDFD. (JD)
- 8/12/15 Updated cost. DC \$29,057 Drilling total \$1,920,969 Completion total \$486,636 AFE Total \$2,407,605
- 8/13/15 Have safety meeting. Prime and test pumps and lines to 9,500 psi, test good. RU to frac. Break dn perfs w/6,845 @ 5 bpm. Get rate up to 25 bpm and step dn. ISIP 5,278 FG .86 Calculated holes open 18.3. FR slick water frac well w/81,800# 40/70 Genoa sand, 119,300# 100 mesh sand, 1,500 gal 15% HCL, 15,022 bbls FR slick water, and flushed with 357 bbls FR slick water. Spotted 500 gals 15% HCL during flush for next set of perfs. SD, ISIP 5,457 FR .88 MR 61.9, AR 57.6 MP 8,282 AP 7,235 Cut job 13,000# short on 100 mesh stage due to psi. RIH w/plug and guns. Set HES 10k Obsidian FTFP w/soluplug @ 12,279'. Perf stage-2 Colton @ 12,009', 12,030', 12,045', 12,053', 12,066', 12,126', 12,137', 12,156', 12,166', 12,176', 12,195', 12,212', 12,225', 12,245', 12,256', 12,266', w/3 1/8" Guns, 18 gram Titan charges .4 EH 38" pen, 1 SPF 60 degree phase. RU to frac. Fd 4,642 sicp. Break dn perfs w/4,861 @ 5 bpm. Get

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8/15/15

rate up to 47 bpm @ 5,867 psi. SD, ISIP 4,611 FG .82 Calculated holes open 25. FR slick water frac well w/103,100# 40/70 Genoa sand, 156,100# 100 mesh sand, 19,134 bbls FR slick water, and flushed w/356 bbls FR slick water. Pumped 500 gal 15% HCL during flush for next set of perfs. SD, ISIP 4,823 FG .83 MR 72 bpm, AR 70 bpm, MP 7,745 AP 6,617. Dropped 4 bio ball sealers during stage 39 and saw good ball action and break. Jobs pumped very well. SDFD. (JD)

8/14/15 Have safety meeting. Refill water tanks and work on pump trucks. (JD)

Have safety meeting. Fd 4,500 sicp. RIH w/plug and guns. Set HES 10k Obsidian FTFP w/soluplug @ 11,994'. Perf stage-3 Lower Wasatch @ 11,734', 11,752', 11,773', 11,789', 11,794', 11,815', 11,822', 11,833', 11,847', 11,853', 11,879', 11,887', 11,921', 11,948', 11,968', 11,974', w/3 1/8" guns, 18 gram titan charges, 38" Pen, .4 EH 2 SPF. RU to frac. Break dn perfs w/4,983 @ 5 bpm. Get rate up to 60 bpm and step dn. ISIP 4,692 FG .84 Calculated holes open 26. FR slick water frac well w/113,600# 40/70 Genoa sand, 165,700# 100 mesh sand, 20,126 bbls FR slick water, and flushed w/357 bbls FR slick water. Dropped 5 bio ball sealers during stage 39 and saw good ball action and break. Dropped 5 bio ball sealers during stage 52 and saw good ball action and break. SD. ISIP 4,859 FG .85 MP 8,066 AP 6,697 MR 71.6 bpm, AR 70 bpm. RIH w/plug and guns. Set HES 10k Obsidian FTFP w/soluplug @ 11,712' Perf stage-4 Wasatch f/11,438-44', 11,480-83', 11,502-05', 11,526-29', 11,549-52', 11,564-67', 11,578-81', 11,589-92', 11,625-28', 11,668-71', 11,691-94', w/3 1/8" guns, 18 gram titan charges, 38" Pen, .4 EH 1 SPF POOH. RU to frac. Break dn perfs w/4,609 @ 5 bpm. Get rate up to 58 bpm and step dn. ISIP 4,239 FG .81 Calculated holes open 22. FR slick water frac well w/112,400# 40/70 Genoa sand, 163,300# 100 mesh sand, 20,149 bbls FR slick water, and flushed w/357 bbls FR slick water. SD, ISIP 4,299 FG .83 MP 7,274, AP 6,539, MR 77 bpm, AR 74 bpm. Did not drop any balls during job because of psi. Secure well and SDFD. (JD)

Have safety meeting. Refill water tanks and work on pump trucks.

Have safety meeting. Fd 4,100 sicp. RIH w/plug and guns. Tag sand @ 11,400' and pull sticky to get away. Set HES 10k Obsidian FTFP w/soluplug @ 11,400' to avoid getting plug stuck. Unable to shoot perf @ (11,412-14)' Perf stage-5 Wasatch f/11,202-04', 11,243-45', 11,284-86', 11,306-08', 11,325-27', 11,341-43', 11,354-56', 11,378-80', w/3 1/8'' guns, 18 gram titan charges, 38" Pen, .4 EH 1 SPF. POOH RU to frac. Break dn perfs w/5,876 @ 9 bpm. Get rate up to 68 bpm and step dn. ISIP 4,521 FG .84 Calculated holes open 24 FR slick water frac well w/94,360# 40/70 Genoa sand, 145,140# 100 mesh sand, 17,173 bbls FR slick water, and flushed w/357 bbls FR slick water. SD, ISIP 4,755 FG .86 MR 73

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bpm, AR 70 bpm, MP 7,148 AP 6,643. Dropped 5 bio balls during stage 39 and saw good ball action, no break. RIH w/plug and guns. Set HES

10k Obsidian FTFP w/soluplug @ 11,178' Perf stage-6 Wasatch f/10,851-58', 10,870-77', 10,924-26', 10,938-40', 11,008-10', 11,046-48', 11,085-87', 11,105-07', 11,130-32', 11,156-58' w/ w/3 1/8" guns, 18 gram titan charges, 38" Pen, .4 EH 1 SPF. RU to frac. Break dn perfs w/4,948 @ 10 bpm. Get rate up to 60 bpm w/6,227 psi and step dn. SD, ISIP 4,375 FG .83 Calculated perfs open 23. FR slick water frac well w/126,760# 40/70 Genoa sand, 197,600# 100 mesh sand, 21,781 bbls FR slick water, and flushed w/357 bbls FR slick water. SD, ISIP 4,570 FG .85 MR 68 bpm, MP 7,077, AR 64.6 bpm, AP 6,267 psi. Dropped 15 Bio ball sealers throughout job and saw good ball action. Will have coil on location 8/19/15 to drill out plugs. Secure well and SDFD. (JD)

- 8/18/15 RDMO HES. MIRU Basic energy services coil tbg. Updated late costs: cost include Frac, Perforate, flowback. DC \$675,226 Drilling total \$1,920,969 Completion total \$1,132,805 AFE Total \$3,053,774
- Have safety meeting. MIRU Basic Energy coil tbg. MU Weatherford . Psi test pump and lines to 7,500, test good. Fd 4,100 sicp. RIH tag plug #1 @ 11,178', wellhead @ 4,000. Drill up and saw 0 psi inc. RIH tag plug #2 @ 11,400', wellhead @ 4,000. Drill up and saw 0 psi inc. RIH and tag plug #3 @ 11,712', wellhead @ 4,100. Drill up and saw 0 psi inc. RIH and tag plug #4 @ 11,994', wellhead @ 4,000. Drill up and saw 0 psi inc. RIH and tag plug #5 @ 12,279', wellhead @ 4,000. Drill up and saw 0 psi inc. RIH and tag PBTD @ 12,580'. Circulate bottoms up and POOH coil tbg. SDFD. (JD)
- 8/20/15 6:00 am well flowing @ 4,050 on a 14/64 ck. Recovered 1,338 bbls in 10 hrs TLR, 1338 bbls. BLWTR114,048 bbls.